

MODELE MATHEMATIQUE DE LA
POLLUTION EN MER DU NORD

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Production primaire dans le Southern Bight en Mer du Nord (période 1971-1973) . Application du modèle de Vollenweider au calcul de la production brute et première évaluation de la production nette .

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Le travail in situ des années 1972 et 1973 a servi à définir des paramètres de production essentiels (Mommaerts , rapport de synthèse 1973/BIOL.08) , ce qui a permis l'utilisation d'un modèle de production primaire beaucoup plus adéquat.

La formule de base utilisée est l'équation de Smith(1936) modifiée par Vollenweider (1965) qui y a introduit une fonction d'inhibition , de sorte qu'à une profondeur z donnée :

$$P_z = P_{\max} \cdot \frac{a \cdot I_z}{\sqrt{1 + (a \cdot I_z)^2}} \cdot \frac{1}{(\sqrt{1 + (\alpha \cdot I_z)^2})^n}$$

où $a = 1/I_k$ et I_k = lumière amenant P_{\max}

α et n = constantes dans la fonction de photoinhibition

I_z = lumière à la profondeur z

P_z = photosynthèse à la profondeur z

P_{\max} = photosynthèse maximale possible (idéalement = POT.PROD.)

Dans le cas où $n=2$ et $\alpha=a$ (ce qui convient pour les profils de photosynthèse observés en Mer du Nord) , l'intégration sur la

profondeur donne :

$$p_z = \frac{p_{\max}}{\eta} \cdot \frac{I'_0/I_k}{(\sqrt{1 + (I'_0/I_k)^2})^2}$$

où η = le coefficient d'extinction de l'eau

I'_0 = la lumière P.A.R. à la surface

Observons que les grandeurs expérimentales observées sont I'_k et p_{opt} , I_k et p_{\max} se rapportant au cas particulier où il n'y a pas de photoinhibition de surface. Dans notre cas particulier, on sait que

$$p_{\max}/p_{\text{opt}} = I_k/I'_k = 2.6$$

L'intensité lumineuse à la surface I'_0 est calculée pour le domaine 400-700 nm (P.A.R.=photosynthetic available radiation). On a soustrait 10% pour tenir compte des pertes par réflexions. La valeur d' I'_0 utilisée est la moyenne par décade, de préférence à la valeur du jour même. La variation diurne de I'_0 est simulée par une fonction sinusoïdale.

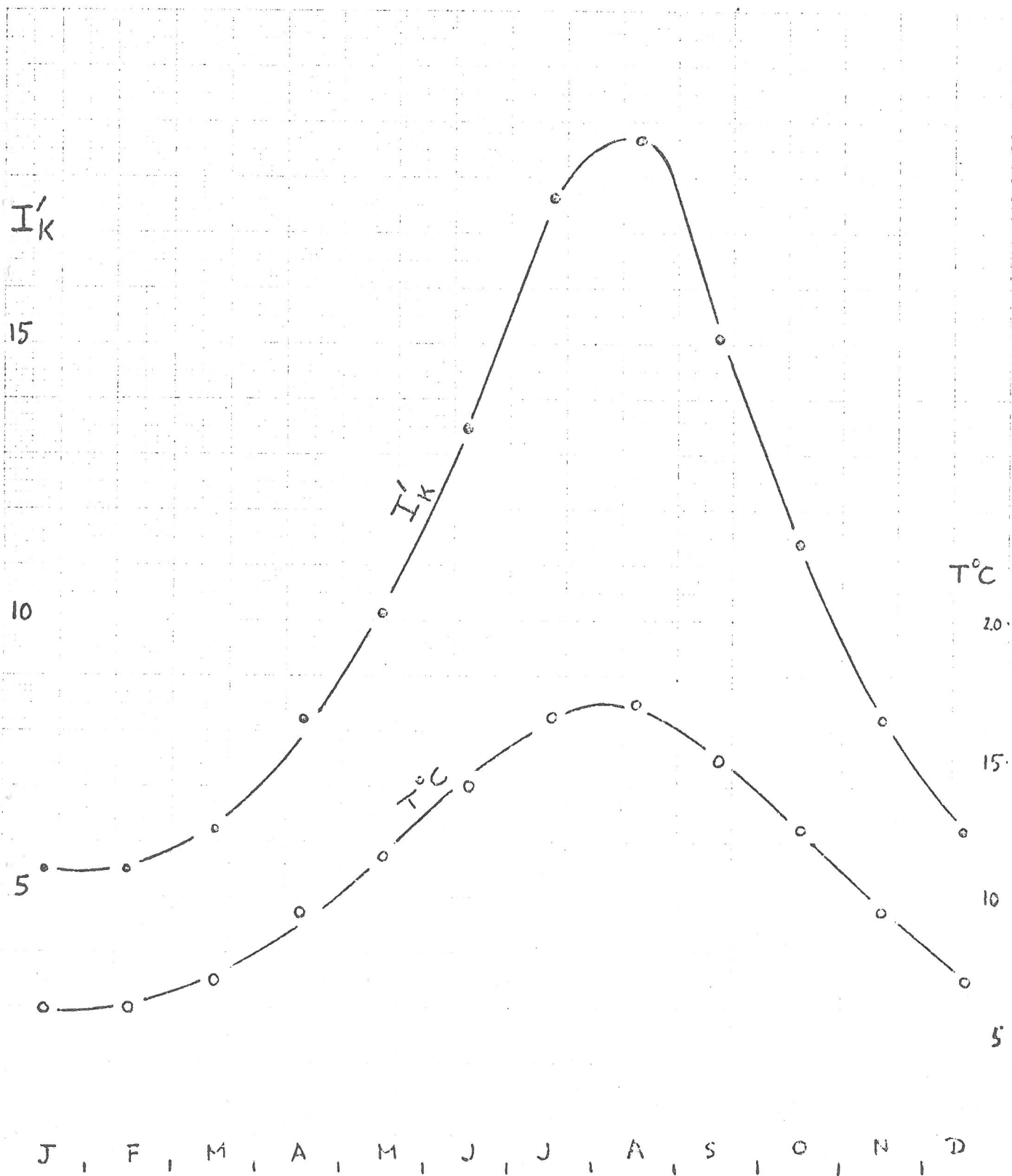
Le coefficient d'extinction est corrigé par rapport aux valeurs anciennes. L'observation a en effet montré que

$$\eta_{400-700} = 1.27 \times \eta_{\text{vert}}$$

Dans notre modèle, I'_k est une fonction de la température de l'eau avec un $Q_{10} = 3$ (fig). Cette variation paraît correspondre en gros aux variations observées. Cependant, un grand nombre de déterminations supplémentaires d' I'_k (incubations in situ) serait nécessaires pour tester à fond ce modèle de variation.

Connaissant l'énergie lumineuse dans les incubateurs utilisés et I'_k , il est possible de calculer p_{opt} à partir de p_{vitro} (VITRO) en utilisant la formule de Vollenweider. Ensuite vient la double intégration sur la profondeur et au cours de la journée.

p_{opt} est corrigé pour l'effet de réassimilation partielle de CO_2 respiratoire. Ce calcul donne la production brute optimale GROSS P.OPT. ($\text{mg C/m}^3/\text{h}$).



GROSS P/DAY est la valeur intégrée par jour ($\text{mg C/m}^3/\text{jour}$), à comparer avec les valeurs intégrées (INT.PROD.) du modèle anciennement utilisé. On observe ici que les valeurs nouvelles représentent en % des anciennes : Janvier : 50 %

Février : 55 %

Mars : 57.5 %

Avril : 65 %

Mai : 60 %

Juin : 67.5 %

Juillet : 72.5 %

Août : 77.5 %

Septembre : 65 %

Octobre : 57.5 %

On a également introduit les pertes par respiration (évaluées à 10% de P_{opt} brut/ m^3/h) dans la couche euphotique, ce qui donne respectivement pour la période de photosynthèse et pour 24 heures les chiffres de production nette renseignés à NET P/SOL.DAY et NET P/24 H-DAY. Ce dernier chiffre représente théoriquement l'incrément net de biomasse/jour dans la couche euphotique. Il vaut environ 50 % de la production brute.

Plusieurs remarques s'imposent ici :

- 1) supposer que la respiration = 10 % de la production brute optimale est une simplification. En réalité, ce % change selon l'état physiologique, probablement selon une relation hyperbolique de forme

$$\% = \text{constante} / \text{taux de croissance}$$

ce qui revient à supposer que la respiration est plutôt liée à la biomasse : $\text{respiration} = k \times B$

- 2) le phytoplancton de toute la colonne d'eau participe à la respiration et non seulement celui de la couche euphotique, ce qui ferait selon les cas doubler à quintupler les chiffres de respiration/ m^2 et réduirait encore la production nette/jour.
- 3) l'excrétion (environ 15 % du C fixé, en moyenne) pose également des problèmes. Ainsi, GROSS P.OPT serait à réévaluer à 100/65 si on ne considère pas qu'une partie du produit excrété (peut-être 30 %) se retrouverait dans les bactéries avec le phytoplancton dont on mesure l'activité. Par ailleurs, on sait que le taux d'excrétion varie également en fonction

de l'état physiologique du phytoplancton , peut-être de la même manière que la respiration. On tentera de mesurer ce paramètre en 1975.

En conclusion, il est évident que l'évaluation correcte de la production primaire nette — même sur une base instantanée — présente encore de nombreuses incertitudes qui ne pourront être résolues que lorsque une série de mécanismes physiologiques seront mieux connus . Ce problème apparaît mal dans la plupart des études régionales de production primaire et fait se poser la question de l'interprétation et de la comparabilité des résultats pour les chercheurs attentifs à la dynamique du phytoplancton .

En ce qui concerne la production brute , le modèle de Vollenweider semble apporter une solution satisfaisante au calcul d'intégration sur la profondeur . Mais l'intégration sur la journée pose encore des problèmes. En effet, on procède encore toujours comme si les incréments de biomasse que représentent les mesures de production nette / heure ne valaient qu'une fraction négligeable du stock existant , de sorte que celui-ci pourrait être considéré comme constant . De plus , on néglige les variations des constantes de croissance, de saturation lumineuse et de respiration.

Un modèle simulant l'effet de la température et de la concentration instantanée en nutriment limitant (régénération moins uptake) sur ces constantes est à l'étude au Bassin de Chasse d'Ostende pour l'instant et pourra peut-être être appliqué au Southern Bight dans un proche avenir.

Rappel des significations

P VITRO , GROSS P.OPT. NET P/ etc. sont expliqués dans le texte qui précède .

TOTAL : échantillon entier

NETPL : netplankton (= microplankton) . Activité de la fraction contenant les organismes plus grands que 25 microns .
(mg C/m³/h)

NANNO : nannoplankton . Activité de la fraction contenant les organismes plus petits que 25 microns.

DARK : fixation de ¹⁴CO₂ à l'obscurité (voie anaplérotique). Est proportionnelle à la respiration phytoplanctonique (R.P.) et bactérienne (R.B.)

RATIO : rapport des activités netpl./nanno . Au-dessus de 1 , le netplancton domine .

230171

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.69	1.15	2.54	.15	.4
PERCENT.	100	32	68	4.3	
GROSS P.OPT	4.6	1.4	3.1		
GROSS P/DAY	24	7	17		
NET P/SOL.DAY	16	5	11		
NET P/24H-DAY	-2	-1	-1		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .14	R.P.: .01				

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SAMPLING STATION 2

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.35	.46	2.88	.20	.1
PERCENT.	100	14	86	6.2	
GROSS P.OPT	4.1	.5	3.5		
GROSS P/DAY	11	1	9		
NET P/SOL.DAY	7	1	6		
NET P/24H-DAY	-1	-1	-1		
EXTINCTION COEFF.: 3.8					
TRANSMISSION COEFF.: 2					
EUPHOTIC DEPTH (M) : 1.1					
R.B.: .19	R.P.: .01				

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SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.92	1.55	2.36	.26	.6
PERCENT.	100	40	60	6.8	
GROSS P.OPT	4.8	1.9	2.9		
GROSS P/DAY	62	24	37		
NET P/SOL.DAY	40	16	24		
NET P/24H-DAY	-4	-2	-2		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 43.8					
EUPHOTIC DEPTH (M) : 5.5					
R.B.: .25	R.P.: .01				

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SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.14	1.05	1.08	.10	.9
PERCENT.	100	50	50	5.1	
GROSS P.OPT	2.6	1.3	1.3		
GROSS P/DAY	96	47	48		
NET P/SOL.DAY	42	30	31		
NET P/24H-DAY	-5	-3	-3		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .02	R.P.: .01				

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SAMPLING STATION 92

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.78	.27	7.50	.75	.0
PERCENT.	100	4	96	9.7	
GROSS P.OPT	9.6	.3	9.3		
GROSS P/DAY	57	2	55		
NET P/SOL.DAY	37	1	35		
NET P/24H-DAY	2	0	2		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .72	R.P.: .03				

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SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.82	1.44	1.37	.57	1.0
PERCENT.	100	52	48	20.4	
GROSS P.OPT	3.5	1.8	1.7		
GROSS P/DAY	63	32	30		
NET P/SOL.DAY	40	20	19		
NET P/24H-DAY	2	1	1		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 52.3					
EUPHOTIC DEPTH (M) : 7.1					
R.B.: .56	R.P.: .01				

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SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.61	2.39	1.21	.06	1.9
PERCENT.	100	67	33	1.9	
GROSS P.OPT	4.5	2.9	1.5		
GROSS P/DAY	137	90	46		
NET P/SOL.DAY	88	58	29		
NET P/24H-DAY	6	4	2		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 68.3					
EUPHOTIC DEPTH (M) : 12					
R.B.: .05	R.P.: .01				

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SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.73	1.15	3.57	.11	.3
PERCENT.	100	25	75	2.5	
GROSS P.OPT	5.8	1.4	4.4		
GROSS P/DAY	35	8	26		
NET P/SOL.DAY	22	5	17		
NET P/24H-DAY	1	0	1		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .09	R.P.: .02				

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SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	26.09	6.79	19.29	1.29	.3
PERCENT.	100	27	73	4.9	
GROSS P.OPT	31.0	8.1	22.9		
GROSS P/DAY	297	77	220		
NET P/SOL.DAY	219	57	162		
NET P/24H-DAY	180	46	133		
EXTINCTION COEFF.: 2.9					
TRANSMISSION COEFF.: 5.3					
EUPHOTIC DEPTH (M) : 1.5					
R.B.: 1.17	R.P.: .12				

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SAMPLING STATION 9

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.24	.00	5.02	.58	.0
PERCENT.	84	0	100	11.7	
GROSS P.OPT	5.0	.0	5.9		
GROSS P/DAY	858	0	1015		
NET P/SOL.DAY	632	0	748		
NET P/24H-DAY	519	0	614		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .56	R.P.: .02				

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SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	13.24	9.87	3.36	.31	2.9
PERCENT.	100	75	25	2.4	
GROSS P.OPT	15.7	11.7	4.0		
GROSS P/DAY	1086	810	276		
NET P/SOL.DAY	800	597	203		
NET P/24H-DAY	657	490	167		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 66.6					
EUPHOTIC DEPTH (M) : 11.3					
R.B.: .25	R.P.: .06				

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SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	25.89	9.28	16.60	.65	.5
PERCENT.	100	36	64	2.5	
GROSS P.OPT	30.8	11.0	19.7		
GROSS P/DAY	221	79	142		
NET P/SOL.DAY	163	58	104		
NET P/24H-DAY	133	48	85		
EXTINCTION COEFF.: 3.8					
TRANSMISSION COEFF.: 2					
EUPHOTIC DEPTH (M) : 1.1					
R.B.: .53	R.P.: .12				

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SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.85	.01	3.83	.18	.0
PERCENT.	100	1	99	4.9	
GROSS P.OPT	4.5	.0	4.5		
GROSS P/DAY	562	2	560		
NET P/SOL.DAY	414	2	412		
NET P/24H-DAY	340	1	338		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 79.5					
EUPHOTIC DEPTH (M) : 20.1					
R.B.: .17	R.P.: .01				

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SAMPLING STATION 2

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.47	.95	3.51	.30	.2
PERCENT.	100	22	78	6.9	
GROSS P.OPT	5.3	1.1	4.1		
GROSS P/DAY	255	54	200		
NET P/SOL.DAY	188	40	147		
NET P/24H-DAY	154	33	121		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 55.7					
EUPHOTIC DEPTH (M) : 7.8					
R.B.: .28	R.P.: .02				

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SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.28	.51	4.77	.35	.1
PERCENT.	100	10	90	6.8	
GROSS P.OPT	7.3	.7	6.6		
GROSS P/DAY	555	53	502		
NET P/SOL.DAY	398	38	359		
NET P/24H-DAY	319	30	288		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.9					
EUPHOTIC DEPTH (M) : 13.4					
R.B.: .33	R.P.: .02				

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SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	19.12	7.23	11.88	.51	.6
PERCENT.	100	38	62	2.7	
GROSS P.OPT	26.5	10.0	16.4		
GROSS P/DAY	271	102	168		
NET P/SOL.DAY	194	73	120		
NET P/24H-DAY	155	59	96		
EXTINCTION COEFF.: 2.5					
TRANSMISSION COEFF.: 7.8					
EUPHOTIC DEPTH (M) : 1.8					
R.B.: .41	R.P.: .1				

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SAMPLING STATION 8

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.00	3.76	2.23	.23	1.6
PERCENT.	100	63	37	3.9	
GROSS P.OPT	8.3	5.2	3.1		
GROSS P/DAY	852	534	317		
NET P/SOL.DAY	610	383	227		
NET P/24H-DAY	489	307	182		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .2	R.P.: .03				

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SAMPLING STATION 11

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.32	2.64	2.67	.72	.9
PERCENT.	100	50	50	13.6	
GROSS P.OPT	7.3	3.6	3.7		
GROSS P/DAY	279	139	140		
NET P/SOL.DAY	200	99	100		
NET P/24H-DAY	160	80	80		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 50.3					
EUPHOTIC DEPTH (M) : 6.7					
R.B.: .7	R.P.: .02				

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SAMPLING STATION 12

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.21	.84	3.36	.17	.2
PERCENT.	100	21	79	4.2	
GROSS P.OPT	5.8	1.1	4.6		
GROSS P/DAY	498	100	398		
NET P/SOL.DAY	357	71	285		
NET P/24H-DAY	286	57	228		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 73.7					
EUPHOTIC DEPTH (M) : 15.1					
R.B.: .15	R.P.: .02				

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SAMPLING STATION 13

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.10	.00	3.67	.28	.0
PERCENT.	84	0	100	7.8	
GROSS P.OPT	4.3	.0	5.1		
GROSS P/DAY	588	0	695		
NET P/SOL.DAY	421	0	498		
NET P/24H-DAY	338	0	400		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .27	R.P.: .01				

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SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.85	2.20	2.64	.12	.8
PERCENT.	100	46	54	2.6	
GROSS P.OPT	6.7	3.0	3.5		
GROSS P/DAY	1060	482	578		
NET P/SOL.DAY	759	345	414		
NET P/24H-DAY	609	277	332		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .1	R.P.: .02				

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SAMPLING STATION 15

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.31	.38	2.93	.04	.1
PERCENT.	100	12	88	1.5	
GROSS P.OPT	4.6	.5	4.0		
GROSS P/DAY	784	89	694		
NET P/SOL.DAY	562	64	497		
NET P/24H-DAY	451	51	399		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 85.8					
EUPHOTIC DEPTH (M) : 30.2					
R.B.: .03	R.P.: .01				

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SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	35.62	31.88	3.73	.08	8.5
PERCENT.	100	90	10	.2	
GROSS P.OPT	51.2	45.9	5.3		
GROSS P/DAY	1071	959	112		
NET P/SOL.DAY	699	626	73		
NET P/24H-DAY	434	388	45		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 41.1					
EUPHOTIC DEPTH (M) : 5.1					
R.B.: -.12	R.P.: .2				

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SAMPLING STATION 17

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	15.11	13.51	1.59	.03	8.4
PERCENT.	100	90	10	.1	
GROSS P.OPT	21.7	19.4	2.3		
GROSS P/DAY	1027	918	108		
NET P/SOL.DAY	670	599	70		
NET P/24H-DAY	415	371	44		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 67.4					
EUPHOTIC DEPTH (M) : 11.6					
R.B.: -.06	R.P.: .08				

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SAMPLING STATION 18

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	37.41	33.77	3.63	.10	9.2
PERCENT.	100	91	9	.2	
GROSS P.OPT	53.8	48.6	5.2		
GROSS P/DAY	2251	2032	219		
NET P/SOL.DAY	1469	1326	142		
NET P/24H-DAY	911	823	88		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 64.1					
EUPHOTIC DEPTH (M) : 10.3					
R.B.: -.11	R.P.: .21				

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SAMPLING STATION 19

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.41	1.96	4.44	.28	.4
PERCENT.	100	31	69	4.5	
GROSS P.OPT	9.2	2.8	6.4		
GROSS P/DAY	675	207	468		
NET P/SOL.DAY	441	135	305		
NET P/24H-DAY	273	84	189		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .25	R.P.: .03				

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SAMPLING STATION 20

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.58	1.32	5.26	.09	.2
PERCENT.	100	21	79	1.5	
GROSS P.OPT	9.4	1.9	7.5		
GROSS P/DAY	1067	213	853		
NET P/SOL.DAY	696	139	557		
NET P/24H-DAY	432	86	345		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .06	R.P.: .03				

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SAMPLING STATION 25

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.40	1.99	1.40	.05	1.4
PERCENT.	100	59	41	1.7	
GROSS P.OPT	4.9	2.8	2.0		
GROSS P/DAY	635	372	262		
NET P/SOL.DAY	427	250	176		
NET P/24H-DAY	279	163	115		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 85.8					
EUPHOTIC DEPTH (M) : 30.2					
R.B.: .04	R.P.: .01				

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SAMPLING STATION 24

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.02	.57	1.44	.02	.3
PERCENT.	100	29	71	.9	
GROSS P.OPT	2.9	.8	2.0		
GROSS P/DAY	412	117	294		
NET P/SOL.DAY	277	79	198		
NET P/24H-DAY	181	51	129		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 86.9					
EUPHOTIC DEPTH (M) : 32.9					
R.B.: 0	R.P.: .01				

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SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.13	3.33	3.79	.06	.8
PERCENT.	100	47	53	.9	
GROSS P.OPT	10.2	4.8	5.4		
GROSS P/DAY	665	311	353		
NET P/SOL.DAY	447	209	238		
NET P/24H-DAY	292	136	155		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 73.7					
EUPHOTIC DEPTH (M) : 15.1					
R.B.: .02	R.P.: .04				

250871

SAMPLING STATION 22

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	16.82	13.66	3.15	.50	4.3
PERCENT.	100	82	18	3.0	
GROSS P.OPT	24.2	19.6	4.5		
GROSS P/DAY	940	763	176		
NET P/SOL.DAY	632	514	118		
NET P/24H-DAY	413	335	77		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 60.1					
EUPHOTIC DEPTH (M) : 9					
R.B.: .41	R.P.: .09				

260871

SAMPLING STATION 21

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	50.97	39.26	11.70	.22	3.3
PERCENT.	100	78	22	.4	
GROSS P.OPT	73.3	56.5	16.8		
GROSS P/DAY	1117	860	256		
NET P/SOL.DAY	751	579	172		
NET P/24H-DAY	490	378	112		
EXTINCTION COEFF.: 1.2					
TRANSMISSION COEFF.: 27.3					
EUPHOTIC DEPTH (M) : 3.5					
R.B.: -.07	R.P.: .29				

70971

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	24.51	18.71	5.79	.28	3.2
PERCENT.	100	77	23	1.1	
GROSS P.OPT	30.8	23.5	7.3		
GROSS P/DAY	511	390	120		
NET P/SOL.DAY	368	281	87		
NET P/24H-DAY	247	189	58		
EXTINCTION COEFF.: 1.2					
TRANSMISSION COEFF.: 27.3					
EUPHOTIC DEPTH (M) : 3.5					
R.B.: .15	R.P.: .12				

80971

SAMPLING STATION 53

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.57	1.35	6.21	.12	.2
PERCENT.	100	18	82	1.7	
GROSS P.OPT	9.5	1.7	7.8		
GROSS P/DAY	393	70	322		
NET P/SOL.DAY	283	50	232		
NET P/24H-DAY	190	34	156		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 59.4					
EUPHOTIC DEPTH (M) : 8.8					
R.B.: .09	R.P.: .03				

90971

SAMPLING STATION 58

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.57	.67	2.89	.06	.2
PERCENT.	100	19	81	1.9	
GROSS P.OPT	4.5	.8	3.6		
GROSS P/DAY	380	72	308		
NET P/SOL.DAY	274	52	222		
NET P/24H-DAY	184	35	149		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .05	R.P.: .01				

100971

SAMPLING STATION 62

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.97	.77	3.19	.09	.2
PERCENT.	100	20	80	2.5	
GROSS P.OPT	5.0	.9	4.0		
GROSS P/DAY	651	127	523		
NET P/SOL.DAY	469	91	377		
NET P/24H-DAY	315	61	253		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .07	R.P.: .02				

130971

SAMPLING STATION 55

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	27.51	18.18	9.33	.32	1.9
PERCENT.	100	67	33	1.1	
GROSS P.OPT	34.6	22.8	11.7		
GROSS P/DAY	818	540	277		
NET P/SOL.DAY	571	377	193		
NET P/24H-DAY	323	213	109		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 46					
EUPHOTIC DEPTH (M) : 5.9					
R.B.: .19	R.P.: .13				

140971

SAMPLING STATION 67

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.72	2.20	3.51	.32	.6
PERCENT.	100	39	61	5.7	
GROSS P.OPT	7.2	2.7	4.4		
GROSS P/DAY	799	308	491		
NET P/SOL.DAY	557	215	342		
NET P/24H-DAY	316	122	194		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .3	R.P.: .02				

140971

SAMPLING STATION 66

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.36	.41	5.95	.32	.0
PERCENT.	100	7	93	5.1	
GROSS P.OPT	8.0	.5	7.5		
GROSS P/DAY	550	35	514		
NET P/SOL.DAY	383	24	359		
NET P/24H-DAY	217	14	203		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 76.5					
EUPHOTIC DEPTH (M) : 17.2					
R.B.: .29	R.P.: .03				

150971

SAMPLING STATION 72

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.27	.70	2.57	.09	.2
PERCENT.	100	22	78	3.0	
GROSS P.OPT	4.1	.8	3.2		
GROSS P/DAY	540	115	425		
NET P/SOL.DAY	377	80	296		
NET P/24H-DAY	214	45	168		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 86.9					
EUPHOTIC DEPTH (M) : 32.9					
R.B.: .08	R.P.: .01				

160971

SAMPLING STATION 60

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	17.31	12.84	4.46	.21	2.8
PERCENT.	100	75	25	1.2	
GROSS P.OPT	21.8	16.1	5.6		
GROSS P/DAY	1163	863	300		
NET P/SOL.DAY	812	602	209		
NET P/24H-DAY	460	341	118		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.9					
EUPHOTIC DEPTH (M) : 13.4					
R.B.: .13	R.P.: .08				

200971

SAMPLING STATION 54

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	19.73	5.73	14.00	1.04	.4
PERCENT.	100	30	70	5.3	
GROSS P.OPT	24.8	7.2	17.6		
GROSS P/DAY	155	45	110		
NET P/SOL.DAY	108	31	77		
NET P/24H-DAY	61	17	43		
EXTINCTION COEFF.: 2.9					
TRANSMISSION COEFF.: 5.3					
EUPHOTIC DEPTH (M) : 1.5					
R.B.: .95	R.P.: .09				

210971

SAMPLING STATION 59

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	28.02	16.58	11.43	.49	1.4
PERCENT.	100	60	40	1.7	
GROSS P.OPT	35.3	20.8	14.4		
GROSS P/DAY	926	548	378		
NET P/SOL.DAY	625	370	255		
NET P/24H-DAY	324	191	132		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 52.3					
EUPHOTIC DEPTH (M) : 7.1					
R.B.: .35	R.P.: .14				

220971

SAMPLING STATION 63

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	27.96	12.92	15.03	.87	.8
PERCENT.	100	47	53	3.1	
GROSS P.OPT	35.2	16.2	18.9		
GROSS P/DAY	827	382	444		
NET P/SOL.DAY	558	258	300		
NET P/24H-DAY	289	133	155		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 48.4					
EUPHOTIC DEPTH (M) : 6.3					
R.B.: .73	R.P.: .14				

230971

SAMPLING STATION 68

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	42.35	24.20	18.14	1.18	1.3
PERCENT.	100	58	42	2.8	
GROSS P.OPT	53.3	30.4	22.8		
GROSS P/DAY	1020	583	437		
NET P/SOL.DAY	688	393	295		
NET P/24H-DAY	357	204	152		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 41.1					
EUPHOTIC DEPTH (M) : 5.1					
R.B.: .97	R.P.: .21				

230971

SAMPLING STATION 70

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.02	.00	8.74	.27	.0
PERCENT.	57	0	100	3.1	
GROSS P.OPT	6.3	.0	11.0		
GROSS P/DAY	424	0	737		
NET P/SOL.DAY	286	0	497		
NET P/24H-DAY	148	0	258		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .25	R.P.: .02				

30172

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.33	2.17	4.15	.21	.5
PERCENT.	100	35	65	3.4	
GROSS P.OPT	7.8	2.6	5.1		
GROSS P/DAY	27	9	17		
NET P/SOL.DAY	12	4	8		
NET P/24H-DAY	-18	-6	-12		
EXTINCTION COEFF.:	1.9				
TRANSMISSION COEFF.:	14.3				
EUPHOTIC DEPTH (M) :	2.3				
R.B.:	.18	R.P.:	.03		

40172

SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.28	.01	3.26	.01	.0
PERCENT.	100	1	99	.3	
GROSS P.OPT	4.0	.0	4.0		
GROSS P/DAY	33	0	33		
NET P/SOL.DAY	15	0	15		
NET P/24H-DAY	-22	-1	-21		
EXTINCTION COEFF.:	.8				
TRANSMISSION COEFF.:	43.8				
EUPHOTIC DEPTH (M) :	5.5				
R.B.:	-.01	R.P.:	.01		

40172

SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.56	.43	1.12	.01	.3
PERCENT.	100	29	71	.6	
GROSS P.OPT	1.9	.5	1.3		
GROSS P/DAY	25	7	18		
NET P/SOL.DAY	11	3	8		
NET P/24H-DAY	-16	-5	-12		
EXTINCTION COEFF.:	.5				
TRANSMISSION COEFF.:	59.4				
EUPHOTIC DEPTH (M) :	8.8				
R.B.:	0	R.P.:	0		

50172

SAMPLING STATION 25

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.90	.33	1.57	.01	.2
PERCENT.	100	18	82	.5	
GROSS P.OPT	2.3	.4	1.9		
GROSS P/DAY	44	7	37		
NET P/SOL.DAY	20	3	16		
NET P/24H-DAY	-29	-5	-24		
EXTINCTION COEFF.:	.3				
TRANSMISSION COEFF.:	70				
EUPHOTIC DEPTH (M) :	12.9				
R.B.:	0	R.P.:	0		

50172

SAMPLING STATION 24

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.65	.33	1.32	.00	.2
PERCENT.	100	20	80	.0	
GROSS P.OPT	2.0	.4	1.6		
GROSS P/DAY	39	7	31		
NET P/SOL.DAY	17	3	14		
NET P/24H-DAY	-25	-5	-20		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70					
EUPHOTIC DEPTH (M) : 12.9					
R.B.: -.01	R.P.: 0				

60172

SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.27	1.09	1.17	.01	.9
PERCENT.	100	49	51	.4	
GROSS P.OPT	2.8	1.3	1.4		
GROSS P/DAY	79	38	40		
NET P/SOL.DAY	36	17	18		
NET P/24H-DAY	-50	-25	-26		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 78.5					
EUPHOTIC DEPTH (M) : 19					
R.B.: -.01	R.P.: .01				

60172

SAMPLING STATION 22

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.04	.08	1.95	.01	.0
PERCENT.	100	5	95	.4	
GROSS P.OPT	2.5	.1	2.4		
GROSS P/DAY	58	2	56		
NET P/SOL.DAY	26	1	25		
NET P/24H-DAY	-38	-2	-36		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: -.01	R.P.: .01				

70172

SAMPLING STATION 8

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.48	.42	2.05	.01	.2
PERCENT.	100	18	82	.4	
GROSS P.OPT	3.0	.5	2.5		
GROSS P/DAY	40	6	33		
NET P/SOL.DAY	18	3	15		
NET P/24H-DAY	-26	-5	-21		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 59.4					
EUPHOTIC DEPTH (M) : 8.8					
R.B.: -.01	R.P.: .01				

70172

SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.18	.00	4.52	.11	.0
PERCENT.	92	0	100	2.6	
GROSS P.OPT	5.1	.0	5.5		
GROSS P/DAY	18	0	19		
NET P/SOL.DAY	8	0	8		
NET P/24H-DAY	-12	0	-13		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .09	R.P.: .02				

100172

SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.25	.00	4.59	.15	.0
PERCENT.	70	0	100	3.4	
GROSS P.OPT	4.0	.0	5.6		
GROSS P/DAY	16	0	23		
NET P/SOL.DAY	7	0	10		
NET P/24H-DAY	-11	0	-15		
EXTINCTION COEFF.: 1.6					
TRANSMISSION COEFF.: 18.9					
EUPHOTIC DEPTH (M) : 2.7					
R.B.: .14	R.P.: .01				

110172

SAMPLING STATION 20

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.75	.00	.78	.03	.0
PERCENT.	96	0	100	3.7	
GROSS P.OPT	.9	.0	.9		
GROSS P/DAY	38	0	40		
NET P/SOL.DAY	25	0	26		
NET P/24H-DAY	-2	0	-3		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .02	R.P.: 0				

110172

SAMPLING STATION 19

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.36	.00	1.70	.01	.0
PERCENT.	80	0	100	.5	
GROSS P.OPT	1.6	.0	2.1		
GROSS P/DAY	70	0	87		
NET P/SOL.DAY	45	0	56		
NET P/24H-DAY	-4	0	-5		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: 0	R.P.: 0				

120172

SAMPLING STATION 18

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.73	.44	1.28	.01	.3
PERCENT.	100	26	74	.5	
GROSS P.OPT	2.1	.5	1.5		
GROSS P/DAY	111	28	82		
NET P/SOL.DAY	72	18	53		
NET P/24H-DAY	-6	-2	-5		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 81.6					
EUPHOTIC DEPTH (M) : 22.6					
R.B.: 0	R.P.: 0				

120172

SAMPLING STATION 17

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.19	.24	1.94	.00	.1
PERCENT.	100	12	88	.0	
GROSS P.OPT	2.7	.3	2.4		
GROSS P/DAY	112	12	99		
NET P/SOL.DAY	73	8	64		
NET P/24H-DAY	-6	-1	-6		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: -.02	R.P.: .01				

130172

SAMPLING STATION 21

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.35	.00	1.38	.00	.0
PERCENT.	97	0	100	.0	
GROSS P.OPT	1.6	.0	1.7		
GROSS P/DAY	46	0	47		
NET P/SOL.DAY	30	0	30		
NET P/24H-DAY	-3	0	-3		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 68.3					
EUPHOTIC DEPTH (M) : 12					
R.B.: -.01	R.P.: 0				

130172

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.21	.42	1.78	.00	.2
PERCENT.	100	20	80	.0	
GROSS P.OPT	2.7	.5	2.2		
GROSS P/DAY	98	19	79		
NET P/SOL.DAY	64	12	51		
NET P/24H-DAY	-5	-1	-5		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: -.02	R.P.: .01				

140172

SAMPLING STATION 9

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.20	.00	3.77	.02	.0
PERCENT.	58	0	100	.5	
GROSS P.OPT	2.7	.0	4.6		
GROSS P/DAY	119	0	203		
NET P/SOL.DAY	77	0	132		
NET P/24H-DAY	-7	0	-11		
EXTINCTION COEFF.:	.2				
TRANSMISSION COEFF.:	78.5				
EUPHOTIC DEPTH (M) :	19				
R.B.:	0	R.P.:	.01		

40472

SAMPLING STATION 1097

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	12.81	9.01	3.79	.43	2.3
PERCENT.	100	71	29	3.4	
GROSS P.OPT	13.6	9.6	4.0		
GROSS P/DAY	157	110	46		
NET P/SOL.DAY	115	81	34		
NET P/24H-DAY	79	56	23		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .38 R.P.: .05					

40472

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	26.37	16.55	9.81	.60	1.6
PERCENT.	100	63	37	2.3	
GROSS P.OPT	28.1	17.6	10.4		
GROSS P/DAY	324	203	120		
NET P/SOL.DAY	237	149	88		
NET P/24H-DAY	164	103	61		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .49 R.P.: .11					

100472

SAMPLING STATION 1486

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	8.45	5.45	2.99	.20	1.8
PERCENT.	100	65	35	2.4	
GROSS P.OPT	9.0	5.8	3.2		
GROSS P/DAY	279	180	99		
NET P/SOL.DAY	204	131	72		
NET P/24H-DAY	141	91	50		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 48.4					
EUPHOTIC DEPTH (M) : 6.3					
R.B.: .17 R.P.: .03					

130472

SAMPLING STATION 1344

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.30	2.60	1.69	.19	1.5
PERCENT.	100	61	39	4.6	
GROSS P.OPT	4.6	2.7	1.8		
GROSS P/DAY	239	144	94		
NET P/SOL.DAY	178	108	70		
NET P/24H-DAY	127	77	50		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 63.3					
EUPHOTIC DEPTH (M) : 10					
R.B.: .18 R.P.: .01					

130472

SAMPLING STATION 1348

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.70	1.31	.38	.18	3.3
PERCENT.	100	78	22	11.1	
GROSS P.OPT	1.8	1.4	.4		
GROSS P/DAY	142	109	32		
NET P/SOL.DAY	106	82	24		
NET P/24H-DAY	76	58	17		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 73.7					
EUPHOTIC DEPTH (M) : 15.1					
R.B.: .18		R.P.: 0			

130472

SAMPLING STATION 1352

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.39	.80	.58	.17	1.3
PERCENT.	100	58	42	12.8	
GROSS P.OPT	1.4	.8	.6		
GROSS P/DAY	111	64	47		
NET P/SOL.DAY	83	48	35		
NET P/24H-DAY	59	34	25		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 72.7					
EUPHOTIC DEPTH (M) : 14.5					
R.B.: .17		R.P.: 0			

140472

SAMPLING STATION 67

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.11	.35	1.75	.07	.2
PERCENT.	100	17	83	3.7	
GROSS P.OPT	2.2	.3	1.8		
GROSS P/DAY	302	51	251		
NET P/SOL.DAY	226	38	187		
NET P/24H-DAY	161	27	134		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 83.7					
EUPHOTIC DEPTH (M) : 25.9					
R.B.: .07		R.P.: 0			

140472

SAMPLING STATION 1699

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.48	2.24	1.23	.11	1.8
PERCENT.	100	65	35	3.4	
GROSS P.OPT	3.7	2.4	1.3		
GROSS P/DAY	268	172	95		
NET P/SOL.DAY	200	129	71		
NET P/24H-DAY	143	92	50		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 71.2					
EUPHOTIC DEPTH (M) : 13.9					
R.B.: .1		R.P.: .01			

140472

SAMPLING STATION 59

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.53	3.92	1.60	.29	2.4
PERCENT.	100	71	29	5.4	
GROSS P.OPT	5.9	4.1	1.7		
GROSS P/DAY	145	103	42		
NET P/SOL.DAY	108	77	31		
NET P/24H-DAY	77	55	22		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 38					
EUPHOTIC DEPTH (M) : 4.7					
R.B.: .27	R.P.: .02				

140472

SAMPLING STATION 1486

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	10.06	6.15	3.90	1.22	1.5
PERCENT.	100	62	38	12.2	
GROSS P.OPT	10.7	6.5	4.1		
GROSS P/DAY	353	215	137		
NET P/SOL.DAY	264	161	102		
NET P/24H-DAY	188	115	73		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 48.4					
EUPHOTIC DEPTH (M) : 6.3					
R.B.: 1.18	R.P.: .04				

170472

SAMPLING STATION 61

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.49	1.35	1.13	.11	1.1
PERCENT.	100	55	45	4.7	
GROSS P.OPT	2.6	1.4	1.2		
GROSS P/DAY	277	151	126		
NET P/SOL.DAY	207	112	94		
NET P/24H-DAY	148	80	67		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 79.5					
EUPHOTIC DEPTH (M) : 20.1					
R.B.: .1	R.P.: .01				

170472

SAMPLING STATION 1634

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.41	1.80	.60	.12	2.9
PERCENT.	100	75	25	5.3	
GROSS P.OPT	2.5	1.9	.6		
GROSS P/DAY	268	200	67		
NET P/SOL.DAY	200	150	50		
NET P/24H-DAY	143	107	36		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 79.5					
EUPHOTIC DEPTH (M) : 20.1					
R.B.: .11	R.P.: .01				

180472

SAMPLING STATION 67

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.52	.00	1.57	.04	.0
PERCENT.	96	0	100	2.5	
GROSS P.OPT	1.6	.0	1.6		
GROSS P/DAY	138	0	143		
NET P/SOL.DAY	103	0	107		
NET P/24H-DAY	74	0	76		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 75.6					
EUPHOTIC DEPTH (M) : 16.4					
R.B.: .03	R.P.: 0				

180472

SAMPLING STATION 1693

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	10.14	4.58	5.55	.61	.8
PERCENT.	100	46	54	6.1	
GROSS P.OPT	10.8	4.9	5.9		
GROSS P/DAY	375	169	205		
NET P/SOL.DAY	281	127	153		
NET P/24H-DAY	200	90	110		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 50.3					
EUPHOTIC DEPTH (M) : 6.7					
R.B.: .57	R.P.: .04				

180472

SAMPLING STATION 2689

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.58	.46	3.11	.12	.1
PERCENT.	100	14	86	3.6	
GROSS P.OPT	3.8	.5	3.3		
GROSS P/DAY	86	11	75		
NET P/SOL.DAY	64	8	56		
NET P/24H-DAY	46	6	40		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 34.8					
EUPHOTIC DEPTH (M) : 4.3					
R.B.: .11	R.P.: .01				

180472

SAMPLING STATION 2552

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.02	1.59	5.43	.44	.2
PERCENT.	100	23	77	6.4	
GROSS P.OPT	7.5	1.6	5.8		
GROSS P/DAY	122	27	94		
NET P/SOL.DAY	91	20	70		
NET P/24H-DAY	65	14	50		
EXTINCTION COEFF.: 1.4					
TRANSMISSION COEFF.: 23.2					
EUPHOTIC DEPTH (M) : 3.1					
R.B.: .41	R.P.: .03				

260672

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.95	1.74	3.20	.32	.5
PERCENT.	100	36	64	6.6	
GROSS P.OPT	5.9	2.0	3.8		
GROSS P/DAY	289	102	187		
NET P/SOL.DAY	206	72	133		
NET P/24H-DAY	164	57	106		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 59.4					
EUPHOTIC DEPTH (M) : 8.8					
R.B.: .3	R.P.: .02				

270672

SAMPLING STATION 25

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.53	.05	1.48	.02	.0
PERCENT.	100	4	96	1.2	
GROSS P.OPT	1.8	.0	1.7		
GROSS P/DAY	283	9	274		
NET P/SOL.DAY	201	6	195		
NET P/24H-DAY	160	5	155		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .01	R.P.: 0				

270672

SAMPLING STATION 24

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.01	.00	1.14	.00	.0
PERCENT.	88	0	100	.0	
GROSS P.OPT	1.2	.0	1.3		
GROSS P/DAY	143	0	162		
NET P/SOL.DAY	102	0	115		
NET P/24H-DAY	81	0	91		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 80.5					
EUPHOTIC DEPTH (M) : 21.3					
R.B.: -.01	R.P.: 0				

280672

SAMPLING STATION 22

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.50	.59	2.90	.13	.2
PERCENT.	100	18	82	3.9	
GROSS P.OPT	4.1	.7	3.4		
GROSS P/DAY	494	84	410		
NET P/SOL.DAY	351	60	291		
NET P/24H-DAY	280	47	232		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 80.5					
EUPHOTIC DEPTH (M) : 21.3					
R.B.: .12	R.P.: .01				

280672

SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.01	.12	.88	.00	.1
PERCENT.	100	13	87	.0	
GROSS P.OPT	1.2	.1	1.0		
GROSS P/DAY	203	25	177		
NET P/SOL.DAY	144	18	126		
NET P/24H-DAY	115	14	100		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 85.8					
EUPHOTIC DEPTH (M) : 30.2					
R.B.: -.01	R.P.: 0				

290672

SAMPLING STATION 21

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.93	.20	4.73	.10	.0
PERCENT.	100	5	95	2.2	
GROSS P.OPT	5.8	.2	5.6		
GROSS P/DAY	622	25	597		
NET P/SOL.DAY	443	17	425		
NET P/24H-DAY	353	14	338		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 78.5					
EUPHOTIC DEPTH (M) : 19					
R.B.: .08	R.P.: .02				

290672

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.19	.00	4.89	.19	.0
PERCENT.	85	0	100	4.0	
GROSS P.OPT	5.0	.0	5.8		
GROSS P/DAY	670	0	782		
NET P/SOL.DAY	477	0	556		
NET P/24H-DAY	380	0	443		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .17	R.P.: .02				

300672

SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	19.78	10.34	9.43	1.14	1.0
PERCENT.	100	53	47	5.8	
GROSS P.OPT	23.5	12.3	11.2		
GROSS P/DAY	1247	652	595		
NET P/SOL.DAY	887	464	423		
NET P/24H-DAY	707	370	337		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 61.7					
EUPHOTIC DEPTH (M) : 9.5					
R.B.: 1.05	R.P.: .09				

30772

SAMPLING STATION 2

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.06	2.31	2.74	.34	.8
PERCENT.	100	46	54	6.9	
GROSS P.OPT	7.0	3.2	3.8		
GROSS P/DAY	540	247	293		
NET P/SOL.DAY	363	166	197		
NET P/24H-DAY	274	125	149		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .32 R.P.: .02					

.40772

SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.99	.92	2.07	.24	.4
PERCENT.	100	31	69	8.3	
GROSS P.OPT	4.1	1.2	2.8		
GROSS P/DAY	272	83	188		
NET P/SOL.DAY	183	56	127		
NET P/24H-DAY	138	42	96		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.9					
EUPHOTIC DEPTH (M) : 13.4					
R.B.: .23 R.P.: .01					

40772

SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.15	.31	3.83	.10	.0
PERCENT.	100	8	92	2.6	
GROSS P.OPT	5.7	.4	5.3		
GROSS P/DAY	680	52	627		
NET P/SOL.DAY	457	35	422		
NET P/24H-DAY	345	26	319		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .08 R.P.: .02					

50772

SAMPLING STATION 20

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.07	.72	1.34	.14	.5
PERCENT.	100	36	64	7.2	
GROSS P.OPT	2.8	1.0	1.8		
GROSS P/DAY	392	137	254		
NET P/SOL.DAY	263	92	171		
NET P/24H-DAY	199	70	129		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .13 R.P.: .01					

50772

SAMPLING STATION 19

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.40	.00	1.50	.11	.0
PERCENT.	93	0	100	7.9	
GROSS P.OPT	1.9	.0	2.0		
GROSS P/DAY	182	0	194		
NET P/SOL.DAY	122	0	131		
NET P/24H-DAY	92	0	99		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 78.5					
EUPHOTIC DEPTH (M) : 19					
R.B.: .11	R.P.: 0				

60772

SAMPLING STATION 18

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.58	.18	2.39	.17	.0
PERCENT.	100	8	92	6.9	
GROSS P.OPT	3.5	.2	3.3		
GROSS P/DAY	529	38	490		
NET P/SOL.DAY	355	26	329		
NET P/24H-DAY	269	19	249		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 85.8					
EUPHOTIC DEPTH (M) : 30.2					
R.B.: .16	R.P.: .01				

60772

SAMPLING STATION 17

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.21	.05	2.15	.22	.0
PERCENT.	100	3	97	10.3	
GROSS P.OPT	3.0	.0	2.9		
GROSS P/DAY	340	9	331		
NET P/SOL.DAY	228	6	222		
NET P/24H-DAY	172	4	168		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 81.6					
EUPHOTIC DEPTH (M) : 22.6					
R.B.: .21	R.P.: .01				

70772

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.02	1.20	1.81	.65	.6
PERCENT.	100	40	60	21.7	
GROSS P.OPT	4.1	1.6	2.5		
GROSS P/DAY	247	98	148		
NET P/SOL.DAY	166	66	100		
NET P/24H-DAY	125	50	75		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 68.3					
EUPHOTIC DEPTH (M) : 12					
R.B.: .64	R.P.: .01				

70772

SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.53	.00	1.75	.24	.0
PERCENT.	87	0	100	14.2	
GROSS P.OPT	2.1	.0	2.4		
GROSS P/DAY	164	0	187		
NET P/SOL.DAY	110	0	126		
NET P/24H-DAY	83	0	95		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .24	R.P.: 0				

100772

SAMPLING STATION 8

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.39	1.86	1.52	.20	1.2
PERCENT.	100	56	44	6.1	
GROSS P.OPT	4.7	2.5	2.1		
GROSS P/DAY	521	286	234		
NET P/SOL.DAY	350	192	157		
NET P/24H-DAY	264	145	119		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 81.6					
EUPHOTIC DEPTH (M) : 22.6					
R.B.: .19	R.P.: .01				

110772

SAMPLING STATION 9

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.30	1.35	1.94	.09	.6
PERCENT.	100	42	58	3.0	
GROSS P.OPT	4.5	1.8	2.7		
GROSS P/DAY	426	175	251		
NET P/SOL.DAY	300	123	176		
NET P/24H-DAY	236	97	139		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 76.5					
EUPHOTIC DEPTH (M) : 17.2					
R.B.: .08	R.P.: .01				

110772

SAMPLING STATION 10

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.94	.10	2.84	.00	.0
PERCENT.	100	4	96	.0	
GROSS P.OPT	4.0	.1	3.9		
GROSS P/DAY	614	20	593		
NET P/SOL.DAY	432	14	417		
NET P/24H-DAY	340	11	329		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: -.02	R.P.: .01				

120772

SAMPLING STATION 15

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.32	2.06	2.25	.15	.9
PERCENT.	100	48	52	3.6	
GROSS P.OPT	6.0	2.8	3.1		
GROSS P/DAY	586	280	306		
NET P/SOL.DAY	412	197	215		
NET P/24H-DAY	325	155	169		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .13	R.P.: .02				

120772

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.26	2.08	1.17	.12	1.7
PERCENT.	100	64	36	3.9	
GROSS P.OPT	4.5	2.8	1.6		
GROSS P/DAY	590	377	213		
NET P/SOL.DAY	415	265	149		
NET P/24H-DAY	327	209	118		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .11	R.P.: .01				

130772

SAMPLING STATION 12

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.03	.44	2.58	.12	.1
PERCENT.	100	15	85	4.2	
GROSS P.OPT	4.2	.6	3.5		
GROSS P/DAY	457	67	389		
NET P/SOL.DAY	321	47	274		
NET P/24H-DAY	253	37	216		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 79.5					
EUPHOTIC DEPTH (M) : 20.1					
R.B.: .11	R.P.: .01				

130772

SAMPLING STATION 11

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	13.98	.00	15.41	.51	.0
PERCENT.	90	0	100	3.3	
GROSS P.OPT	19.3	.0	21.3		
GROSS P/DAY	1184	0	1305		
NET P/SOL.DAY	832	0	917		
NET P/24H-DAY	656	0	724		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 66.6					
EUPHOTIC DEPTH (M) : 11.3					
R.B.: .44	R.P.: .07				

140772

SAMPLING STATION 13

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.52	1.53	.98	.34	1.5
PERCENT.	100	61	39	13.8	
GROSS P.OPT	3.5	2.1	1.3		
GROSS P/DAY	342	208	134		
NET P/SOL.DAY	240	146	94		
NET P/24H-DAY	190	115	74		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .33		R.P.: .01			

60972

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	16.86	1.92	14.93	.25	.1
PERCENT.	100	12	88	1.5	
GROSS P.OPT	29.6	3.3	26.2		
GROSS P/DAY	545	62	483		
NET P/SOL.DAY	370	42	328		
NET P/24H-DAY	223	25	197		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 36.2					
EUPHOTIC DEPTH (M) : 4.5					
R.B.: .14	R.P.: .11				

60972

SAMPLING STATION 1097

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.93	.01	7.91	.65	.0
PERCENT.	100	1	99	8.3	
GROSS P.OPT	13.9	.0	13.9		
GROSS P/DAY	168	0	167		
NET P/SOL.DAY	114	0	114		
NET P/24H-DAY	68	0	68		
EXTINCTION COEFF.: 1.5					
TRANSMISSION COEFF.: 21.2					
EUPHOTIC DEPTH (M) : 2.9					
R.B.: .6	R.P.: .05				

70972

SAMPLING STATION 1930

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.48	.54	.93	.08	.5
PERCENT.	100	37	63	6.0	
GROSS P.OPT	2.6	.9	1.6		
GROSS P/DAY	275	101	173		
NET P/SOL.DAY	187	69	118		
NET P/24H-DAY	112	41	71		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 83.7					
EUPHOTIC DEPTH (M) : 25.9					
R.B.: .07	R.P.: .01				

70972

SAMPLING STATION 67

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.34	.00	1.53	.41	.0
PERCENT.	87	0	100	27.2	
GROSS P.OPT	2.3	.0	2.7		
GROSS P/DAY	166	0	189		
NET P/SOL.DAY	113	0	128		
NET P/24H-DAY	68	0	77		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 76.5					
EUPHOTIC DEPTH (M) : 17.2					
R.B.: .41	R.P.: 0				

80972

SAMPLING STATION 1778

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.09	.16	.93	.08	.1
PERCENT.	100	15	85	8.1	
GROSS P.OPT	1.9	.2	1.6		
GROSS P/DAY	142	20	121		
NET P/SOL.DAY	96	14	82		
NET P/24H-DAY	58	8	49		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .08	R.P.: 0				

80972

SAMPLING STATION 1699

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.48	2.36	2.11	.15	1.1
PERCENT.	100	53	47	3.5	
GROSS P.OPT	7.8	4.1	3.7		
GROSS P/DAY	611	322	288		
NET P/SOL.DAY	415	219	196		
NET P/24H-DAY	250	132	118		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 78.5					
EUPHOTIC DEPTH (M) : 19					
R.B.: .12	R.P.: .03				

110972

SAMPLING STATION 1352

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.89	2.24	2.64	.06	.8
PERCENT.	100	46	54	1.4	
GROSS P.OPT	6.1	2.8	3.3		
GROSS P/DAY	302	138	163		
NET P/SOL.DAY	203	93	109		
NET P/24H-DAY	103	47	56		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.9					
EUPHOTIC DEPTH (M) : 13.4					
R.B.: .04	R.P.: .02				

120972

SAMPLING STATION 72

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.42	.35	2.07	.03	.1
PERCENT.	100	15	85	1.2	
GROSS P.OPT	3.0	.4	2.6		
GROSS P/DAY	368	53	315		
NET P/SOL.DAY	247	35	211		
NET P/24H-DAY	126	18	108		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 86.9					
EUPHOTIC DEPTH (M) : 32.9					
R.B.: .01	R.P.: .01				

120972

SAMPLING STATION 2001

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.56	.00	3.64	.18	.0
PERCENT.	97	0	100	5.2	
GROSS P.OPT	4.4	.0	4.5		
GROSS P/DAY	425	0	434		
NET P/SOL.DAY	285	0	291		
NET P/24H-DAY	145	0	149		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 83.7					
EUPHOTIC DEPTH (M) : 25.9					
R.B.: .17	R.P.: .01				

130972

SAMPLING STATION 65

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.15	2.09	3.05	.09	.6
PERCENT.	100	41	59	1.9	
GROSS P.OPT	6.4	2.6	3.8		
GROSS P/DAY	506	206	300		
NET P/SOL.DAY	339	138	201		
NET P/24H-DAY	173	70	102		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 80.5					
EUPHOTIC DEPTH (M) : 21.3					
R.B.: .07	R.P.: .02				

130972

SAMPLING STATION 1693

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.06	1.63	3.42	.12	.4
PERCENT.	100	33	67	2.5	
GROSS P.OPT	6.3	2.0	4.3		
GROSS P/DAY	234	75	158		
NET P/SOL.DAY	157	51	106		
NET P/24H-DAY	80	26	54		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 63.3					
EUPHOTIC DEPTH (M) : 10					
R.B.: .1	R.P.: .02				

140972

SAMPLING STATION 1634

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.82	.24	2.58	.05	.0
PERCENT.	100	9	91	2.1	
GROSS P.OPT	3.5	.3	3.2		
GROSS P/DAY	235	20	215		
NET P/SOL.DAY	158	13	145		
NET P/24H-DAY	80	6	74		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .04	R.P.: .01				

140972

SAMPLING STATION 61

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.65	1.75	2.89	.12	.6
PERCENT.	100	38	62	2.7	
GROSS P.OPT	5.8	2.2	3.6		
GROSS P/DAY	647	244	403		
NET P/SOL.DAY	434	164	270		
NET P/24H-DAY	222	83	138		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 85.8					
EUPHOTIC DEPTH (M) : 30.2					
R.B.: .1					
R.P.: .02					

250972

SAMPLING STATION 1348

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.36	.00	2.73	.06	.0
PERCENT.	49	0	100	2.5	
GROSS P.OPT	1.7	.0	3.4		
GROSS P/DAY	124	0	248		
NET P/SOL.DAY	80	0	160		
NET P/24H-DAY	36	0	72		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 80.5					
EUPHOTIC DEPTH (M) : 21.3					
R.B.: .06 R.P.: 0					

250972

SAMPLING STATION 1344

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.22	.00	4.41	.11	.0
PERCENT.	95	0	100	2.7	
GROSS P.OPT	5.3	.0	5.5		
GROSS P/DAY	192	0	200		
NET P/SOL.DAY	123	0	129		
NET P/24H-DAY	55	0	58		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 64.9					
EUPHOTIC DEPTH (M) : 10.6					
R.B.: .09 R.P.: .02					

260972

SAMPLING STATION 68

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	13.06	8.06	4.99	.35	1.6
PERCENT.	100	62	38	2.7	
GROSS P.OPT	16.4	10.1	6.2		
GROSS P/DAY	395	244	151		
NET P/SOL.DAY	255	157	97		
NET P/24H-DAY	114	70	43		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 52.3					
EUPHOTIC DEPTH (M) : 7.1					
R.B.: .29 R.P.: .06					

270972

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	9.27	5.54	3.72	.16	1.4
PERCENT.	100	60	40	1.8	
GROSS P.OPT	11.6	6.9	4.6		
GROSS P/DAY	477	285	191		
NET P/SOL.DAY	307	184	123		
NET P/24H-DAY	138	82	55		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 68.3					
EUPHOTIC DEPTH (M) : 12					
R.B.: .12 R.P.: .04					

270972

SAMPLING STATION 2841

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	20.33	11.70	8.63	.32	1.3
PERCENT.	100	58	42	1.6	
GROSS P.OPT	25.6	14.7	10.8		
GROSS P/DAY	239	137	101		
NET P/SOL.DAY	154	88	65		
NET P/24H-DAY	69	39	29		
EXTINCTION COEFF.: 1.6					
TRANSMISSION COEFF.: 18.9					
EUPHOTIC DEPTH (M) : 2.7					
R.B.: .22	R.P.: .1				

270972

SAMPLING STATION 2689

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	8.21	2.76	5.44	.16	.5
PERCENT.	100	34	66	2.0	
GROSS P.OPT	10.3	3.4	6.8		
GROSS P/DAY	234	79	155		
NET P/SOL.DAY	151	51	100		
NET P/24H-DAY	68	22	45		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 50.3					
EUPHOTIC DEPTH (M) : 6.7					
R.B.: .12	R.P.: .04				

280972

SAMPLING STATION 59

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.59	3.09	3.49	.13	.8
PERCENT.	100	47	53	2.1	
GROSS P.OPT	8.3	3.9	4.4		
GROSS P/DAY	283	132	150		
NET P/SOL.DAY	182	85	96		
NET P/24H-DAY	82	38	43		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 63.3					
EUPHOTIC DEPTH (M) : 10					
R.B.: .1	R.P.: .03				

280972

SAMPLING STATION 2552

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	13.24	8.48	4.75	.17	1.7
PERCENT.	100	65	35	1.3	
GROSS P.OPT	16.6	10.6	5.9		
GROSS P/DAY	133	85	48		
NET P/SOL.DAY	86	55	30		
NET P/24H-DAY	38	24	13		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.3					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .11	R.P.: .06				

280972

SAMPLING STATION 1486

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.95	4.43	3.51	.11	1.2
PERCENT.	100	56	44	1.5	
GROSS P.OPT	10.0	5.5	4.4		
GROSS P/DAY	438	244	194		
NET P/SOL.DAY	283	157	125		
NET P/24H-DAY	127	70	56		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70					
EUPHOTIC DEPTH (M) : 12.9					
R.B.: .07		R.P.: .04			

91072

SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.01	1.53	3.47	.04	.4
PERCENT.	100	31	69	.9	
GROSS P.OPT	5.6	1.7	3.8		
GROSS P/DAY	202	61	140		
NET P/SOL.DAY	138	42	95		
NET P/24H-DAY	62	19	43		
EXTINCTION COEFF.:	.4				
TRANSMISSION COEFF.:	64.1				
EUPHOTIC DEPTH (M) :	10.3				
R.B.:	.02	R.P.:	.02		

101072

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	20.63	10.79	9.83	.04	1.0
PERCENT.	100	53	47	.2	
GROSS P.OPT	23.0	12.0	10.9		
GROSS P/DAY	316	165	150		
NET P/SOL.DAY	216	113	103		
NET P/24H-DAY	98	51	46		
EXTINCTION COEFF.:	1.1				
TRANSMISSION COEFF.:	31				
EUPHOTIC DEPTH (M) :	3.9				
R.B.:	-.05	R.P.:	.09		

101072

SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	20.30	12.65	7.64	.19	1.6
PERCENT.	100	63	37	.9	
GROSS P.OPT	22.6	14.1	8.5		
GROSS P/DAY	440	274	165		
NET P/SOL.DAY	301	187	113		
NET P/24H-DAY	136	85	51		
EXTINCTION COEFF.:	.8				
TRANSMISSION COEFF.:	43.8				
EUPHOTIC DEPTH (M) :	5.5				
R.B.:	.1	R.P.:	.09		

111072

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	9.92	1.84	8.08	.06	.2
PERCENT.	100	19	81	.7	
GROSS P.OPT	11.0	2.0	9.0		
GROSS P/DAY	184	34	150		
NET P/SOL.DAY	121	22	98		
NET P/24H-DAY	46	8	38		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 41.1					
EUPHOTIC DEPTH (M) : 5.1					
R.B.: .02	R.P.: .04				

121072

SAMPLING STATION 2

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.54	3.49	4.05	.04	.8
PERCENT.	100	47	53	.5	
GROSS P.OPT	8.4	3.8	4.5		
GROSS P/DAY	467	216	251		
NET P/SOL.DAY	307	142	165		
NET P/24H-DAY	118	54	63		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 76.5					
EUPHOTIC DEPTH (M) : 17.2					
R.B.: 0	R.P.: .03				

121072

SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.94	.73	2.21	.00	.3
PERCENT.	100	25	75	.0	
GROSS P.OPT	3.2	.8	2.4		
GROSS P/DAY	142	35	106		
NET P/SOL.DAY	93	23	70		
NET P/24H-DAY	36	8	27		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.9					
EUPHOTIC DEPTH (M) : 13.4					
R.B.: -.02	R.P.: .01				

121072

SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.33	.30	2.03	.01	.1
PERCENT.	100	13	87	.4	
GROSS P.OPT	2.6	.3	2.2		
GROSS P/DAY	304	39	265		
NET P/SOL.DAY	200	25	174		
NET P/24H-DAY	77	9	67		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 88					
EUPHOTIC DEPTH (M) : 36.2					
R.B.: -.01	R.P.: .01				

131072

SAMPLING STATION 10

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.60	.39	2.20	.03	.1
PERCENT.	100	16	84	1.1	
GROSS P.OPT	2.9	.4	2.4		
GROSS P/DAY	94	14	79		
NET P/SOL.DAY	62	9	52		
NET P/24H-DAY	23	3	20		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 63.3					
EUPHOTIC DEPTH (M) : 10					
R.B.: .01	R.P.: .01				

161072

SAMPLING STATION 9

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.76	.37	2.39	.00	.1
PERCENT.	100	14	86	.0	
GROSS P.OPT	3.0	.4	2.6		
GROSS P/DAY	156	20	135		
NET P/SOL.DAY	103	13	89		
NET P/24H-DAY	39	5	34		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: -.02	R.P.: .01				

171072

SAMPLING STATION 25

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.38	2.14	1.23	.05	1.7
PERCENT.	100	64	36	1.7	
GROSS P.OPT	3.7	2.3	1.3		
GROSS P/DAY	293	186	107		
NET P/SOL.DAY	193	122	70		
NET P/24H-DAY	74	47	27		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .04	R.P.: .01				

171072

SAMPLING STATION 24

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.38	2.12	2.25	.05	.9
PERCENT.	100	49	51	1.3	
GROSS P.OPT	4.8	2.3	2.5		
GROSS P/DAY	439	213	226		
NET P/SOL.DAY	289	140	148		
NET P/24H-DAY	111	54	57		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 84.7					
EUPHOTIC DEPTH (M) : 27.8					
R.B.: .04	R.P.: .01				

181072

SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.54	1.79	1.74	.02	1.0
PERCENT.	100	51	49.	.5	
GROSS P.OPT	3.9	2.0	1.9		
GROSS P/DAY	271	137	133		
NET P/SOL.DAY	178	90	88		
NET P/24H-DAY	68	34	33		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 80.5					
EUPHOTIC DEPTH (M) : 21.3					
R.B.: 0	R.P.: .01				

191072

SAMPLING STATION 8

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.88	1.16	1.71	.04	.6
PERCENT.	100	41	59.	1.3	
GROSS P.OPT	3.2	1.3	1.9		
GROSS P/DAY	134	54	79		
NET P/SOL.DAY	88	35	52		
NET P/24H-DAY	34	13	20		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70					
EUPHOTIC DEPTH (M) : 12.9					
R.B.: .02	R.P.: .01				

191072

SAMPLING STATION 15

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.81	.21	2.59	.34	.0
PERCENT.	100	8	92	12.4	
GROSS P.OPT	3.1	.2	2.9		
GROSS P/DAY	183	14	169		
NET P/SOL.DAY	120	9	111		
NET P/24H-DAY	46	3	42		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .33	R.P.: .01				

100173

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.42	.42	.99	.00	.4
PERCENT.	100	31	69	.0	
GROSS P.OPT	1.7	.5	1.2		
GROSS P/DAY	33	9	23		
NET P/SOL.DAY	12	3	8		
NET P/24H-DAY	-29	-9	-20		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 72.7					
EUPHOTIC DEPTH (M) : 14.5					
R.B.: -.01	R.P.: 0				

110173

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.55	.17	1.37	.00	.1
PERCENT.	100	12	88	.0	
GROSS P.OPT	1.9	.2	1.7		
GROSS P/DAY	56	6	50		
NET P/SOL.DAY	34	3	30		
NET P/24H-DAY	-11	-2	-10		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 72.7					
EUPHOTIC DEPTH (M) : 14.5					
R.B.: -.01	R.P.: 0				

240173

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.60	1.13	3.46	.00	.3
PERCENT.	100	25	75	.0	
GROSS P.OPT	5.6	1.4	4.2		
GROSS P/DAY	68	16	51		
NET P/SOL.DAY	44	10	33		
NET P/24H-DAY	3	0	2		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 38					
EUPHOTIC DEPTH (M) : 4.7					
R.B.: -.03	R.P.: .02				

180473 SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	13.77	8.46	5.30	.31	1.5
PERCENT.	100	62	38	2.3	
GROSS P.OPT	14.7	9.0	5.6		
GROSS P/DAY	303	186	117		
NET P/SOL.DAY	222	136	85		
NET P/24H-DAY	153	94	59		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 33.9					
EUPHOTIC DEPTH (M) : 4.2					
R.B.: .26 R.P.: .05					

180473 SAMPLING STATION 2

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.04	1.38	.65	.23	2.1
PERCENT.	100	68	32	11.7	
GROSS P.OPT	2.1	1.4	.7		
GROSS P/DAY	76	52	24		
NET P/SOL.DAY	56	38	18		
NET P/24H-DAY	38	26	12		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 52.9					
EUPHOTIC DEPTH (M) : 7.2					
R.B.: .23 R.P.: 0					

180473 SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.61	2.52	1.08	.08	2.3
PERCENT.	100	70	30	2.4	
GROSS P.OPT	3.8	2.7	1.1		
GROSS P/DAY	178	124	53		
NET P/SOL.DAY	130	91	39		
NET P/24H-DAY	89	62	27		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 61.7					
EUPHOTIC DEPTH (M) : 9.5					
R.B.: .07 R.P.: .01					

240473

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	38.85	31.72	7.12	.21	4.4
PERCENT.	100	82	18	.5	
GROSS P.OPT	41.5	33.8	7.6		
GROSS P/DAY	309	252	56		
NET P/SOL.DAY	228	186	41		
NET P/24H-DAY	170	139	31		
EXTINCTION COEFF.: 3.3					
TRANSMISSION COEFF.: 3.6					
EUPHOTIC DEPTH (M) : 1.3					
R.B.: .05	R.P.: .16				

240473

SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	27.25	17.81	9.43	.21	1.8
PERCENT.	100	66	34	.8	
GROSS P.OPT	29.1	19.0	10.0		
GROSS P/DAY	306	200	106		
NET P/SOL.DAY	226	147	78		
NET P/24H-DAY	168	110	58		
EXTINCTION COEFF.: 2.3					
TRANSMISSION COEFF.: 9.6					
EUPHOTIC DEPTH (M) : 1.9					
R.B.: .1	R.P.: .11				

260473

SAMPLING STATION 11

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	37.86	23.58	14.27	.74	1.6
PERCENT.	100	63	37	1.9	
GROSS P.OPT	40.4	25.1	15.2		
GROSS P/DAY	508	316	191		
NET P/SOL.DAY	375	233	141		
NET P/24H-DAY	280	174	105		
EXTINCTION COEFF.: 1.9					
TRANSMISSION COEFF.: 14.1					
EUPHOTIC DEPTH (M) : 2.3					
R.B.: .58	R.P.: .16				

260473

SAMPLING STATION 12

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.08	2.73	4.35	.39	.6
PERCENT.	100	39	61	5.6	
GROSS P.OPT	7.5	2.9	4.6		
GROSS P/DAY	293	112	180		
NET P/SOL.DAY	216	83	133		
NET P/24H-DAY	161	62	99		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 52.9					
EUPHOTIC DEPTH (M) : 7.2					
R.B.: .36	R.P.: .03				

260473

SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.10	.43	1.66.	.06	.2
PERCENT.	100	21	79	3.3	
GROSS P.0PT	2.2	.4	1.7		
GROSS P/DAY	77	16	61		
NET P/SOL.DAY	57	11	45		
NET P/24H-DAY	42	8	33		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 49.1					
EUPHOTIC DEPTH (M) : 6.4					
R.B.: .06	R.P.: 0				

270473

SAMPLING STATION 10

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.36	.00	.75	.00	.0
PERCENT.	48	0	100	.0	
GROSS P.0PT	.3	.0	.8		
GROSS P/DAY	27	0	56		
NET P/SOL.DAY	20	0	41		
NET P/24H-DAY	15	0	30		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70					
EUPHOTIC DEPTH (M) : 12.9					
R.B.: -.01	R.P.: 0				

270473

SAMPLING STATION 9

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.88	.36	3.52	.11	.1
PERCENT.	100	10	90	3.0	
GROSS P.0PT	4.1	.3	3.7		
GROSS P/DAY	349	32	317		
NET P/SOL.DAY	258	23	234		
NET P/24H-DAY	192	17	174		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .1	R.P.: .01				

270473

SAMPLING STATION 8

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	8.02	2.21	5.80	.11	.3
PERCENT.	100	28	72	1.4	
GROSS P.0PT	8.5	2.3	6.2		
GROSS P/DAY	553	153	400		
NET P/SOL.DAY	408	112	295		
NET P/24H-DAY	304	84	220		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 68.3					
EUPHOTIC DEPTH (M) : 12					
R.B.: .08	R.P.: .03				

310473

SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.22	.19	1.02	.04	.1
PERCENT.	100	17	83	4.0	
GROSS P.OPT	1.3	.2	1.1		
GROSS P/DAY	40	6	33		
NET P/SOL.DAY	29	4	24		
NET P/24H-DAY	22	3	18		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 44.9					
EUPHOTIC DEPTH (M) : 5.7					
R.B.: .04	R.P.: 0				

20573

SAMPLING STATION 15

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.40	1.88	1.51	.08	1.2
PERCENT.	100	56	44	2.6	
GROSS P.OPT	3.6	2.0	1.6		
GROSS P/DAY	169	94	75		
NET P/SOL.DAY	122	67	54		
NET P/24H-DAY	93	51	41		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 58.6					
EUPHOTIC DEPTH (M) : 8.6					
R.B.: .07	R.P.: .01				

20573

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.84	.42	.41	.14	1.0
PERCENT.	100	51	49	17.6	
GROSS P.OPT	.9	.4	.4		
GROSS P/DAY	27	14	13		
NET P/SOL.DAY	20	10	9		
NET P/24H-DAY	15	7	7		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 44.3					
EUPHOTIC DEPTH (M) : 5.6					
R.B.: .14	R.P.: 0				

20573

SAMPLING STATION 13

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.99	4.43	2.55	.07	1.7
PERCENT.	100	64	36	1.1	
GROSS P.OPT	7.5	4.7	2.7		
GROSS P/DAY	183	116	66		
NET P/SOL.DAY	131	83	48		
NET P/24H-DAY	101	64	36		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 36.2					
EUPHOTIC DEPTH (M) : 4.5					
R.B.: .04	R.P.: .03				

30573

SAMPLING STATION 21

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	14.31	2.29	12.01	.25	.1
PERCENT.	100	17	83	1.8	
GROSS P.0PT	15.4	2.4	12.9		
GROSS P/DAY	491	78	412		
NET P/SOL.DAY	353	56	296		
NET P/24H-DAY	271	43	227		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 46					
EUPHOTIC DEPTH (M) : 5.9					
R.B.: .19	R.P.: .06				

30573

SAMPLING STATION 22

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	11.87	4.08	7.78	.07	.5
PERCENT.	100	35	65	.6	
GROSS P.0PT	12.7	4.4	8.3		
GROSS P/DAY	577	198	378		
NET P/SOL.DAY	416	143	272		
NET P/24H-DAY	319	109	209		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 57.9					
EUPHOTIC DEPTH (M) : 8.4					
R.B.: .02	R.P.: .05				

30573

SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.54	.83	.70	.04	1.1
PERCENT.	100	55	45	2.5	
GROSS P.0PT	1.6	.9	.7		
GROSS P/DAY	140	76	64		
NET P/SOL.DAY	101	55	46		
NET P/24H-DAY	77	42	35		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .03	R.P.: 0				

30573

SAMPLING STATION 24

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.07	1.02	1.04	.04	.9
PERCENT.	100	50	50	2.4	
GROSS P.0PT	2.2	1.1	1.1		
GROSS P/DAY	83	41	42		
NET P/SOL.DAY	60	29	30		
NET P/24H-DAY	46	22	23		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 51.6					
EUPHOTIC DEPTH (M) : 6.9					
R.B.: .04	R.P.: 0				

30573

SAMPLING STATION 25

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.41	2.25	1.15	.04	1.9
PERCENT.	100	67	33	1.4	
GROSS P.OPT	3.6	2.4	1.2		
GROSS P/DAY	162	107	55		
NET P/SOL.DAY	117	77	39		
NET P/24H-DAY	89	59	30		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 57.1					
EUPHOTIC DEPTH (M) : 8.2					
R.B.: .03	R.P.: .01				

30573

SAMPLING STATION 20

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.00	.63	.36	.00	1.7
PERCENT.	100	64	36	.0	
GROSS P.OPT	1.0	.6	.3		
GROSS P/DAY	88	55	32		
NET P/SOL.DAY	63	40	23		
NET P/24H-DAY	48	30	17		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 73.7					
EUPHOTIC DEPTH (M) : 15.1					
R.B.: -.01	R.P.: 0				

30573

SAMPLING STATION 19

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.52	.18	.33	.03	.5
PERCENT.	100	36	64	5.6	
GROSS P.OPT	.5	.2	.3		
GROSS P/DAY	73	26	47		
NET P/SOL.DAY	53	19	34		
NET P/24H-DAY	40	14	26		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .02	R.P.: 0				

40573

SAMPLING STATION 17

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	12.84	4.46	8.37	.25	.5
PERCENT.	100	35	65	2.0	
GROSS P.OPT	13.8	4.8	9.0		
GROSS P/DAY	358	124	233		
NET P/SOL.DAY	258	89	168		
NET P/24H-DAY	197	68	129		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 38.5					
EUPHOTIC DEPTH (M) : 4.8					
R.B.: .2	R.P.: .05				

40573

SAMPLING STATION 18

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.32	2.38	.93	.05	2.5
PERCENT.	100	72	28	1.8	
GROSS P.OPT	3.5	2.5	1.0		
R.B.: .04	R.P.: .01				

30573

SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.54	.83	.70	.04	1.1
PERCENT.	100	55	45	2.5	
GROSS P.OPT	1.6	.9	.7		
GROSS P/DAY	140	76	64		
NET P/SOL.DAY	101	55	46		
NET P/24H-DAY	77	42	35		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .03	R.P.: 0				

70573

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.55	.00	1.94	.11	.0
PERCENT.	79	0	100	6.1	
GROSS P.OPT	1.6	.0	2.0		
GROSS P/DAY	66	0	83		
NET P/SOL.DAY	47	0	59		
NET P/24H-DAY	36	0	45		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 53.6					
EUPHOTIC DEPTH (M) : 7.4					
R.B.: .11	R.P.: 0				

80573

SAMPLING STATION 16

6h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.18	.51	3.66	.11	.1
PERCENT.	100	13	87	2.8	
GROSS P.OPT	4.5	.5	3.9		
GROSS P/DAY	178	22	156		
NET P/SOL.DAY	128	15	112		
NET P/24H-DAY	98	12	86		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 53.6					
EUPHOTIC DEPTH (M) : 7.4					
R.B.: .1	R.P.: .01				

80573

SAMPLING STATION 16

8h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.63	.67	2.95	.14	.2
PERCENT.	100	19	81	4.1	
GROSS P.0PT	3.9	.7	3.1		
GROSS P/DAY	195	36	158		
NET P/SOL.DAY	140	26	114		
NET P/24H-DAY	107	20	87		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 60.9					
EUPHOTIC DEPTH (M) : 9.2					
R.B.: .13		R.P.: .01			

80573

SAMPLING STATION 16

12h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	14.27	3.64	10.63	.16	.3
PERCENT.	100	26	74	1.1	
GROSS P.0PT	15.3	3.9	11.4		
GROSS P/DAY	393	100	292		
NET P/SOL.DAY	283	72	210		
NET P/24H-DAY	217	55	161		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 38					
EUPHOTIC DEPTH (M) : 4.7					
R.B.: .1		R.P.: .06			

80573

SAMPLING STATION 16

14h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.05	1.10	4.94	.14	.2
PERCENT.	100	19	81	2.4	
GROSS P.0PT	6.5	1.1	5.3		
GROSS P/DAY	258	47	211		
NET P/SOL.DAY	186	34	152		
NET P/24H-DAY	142	26	116		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 53.6					
EUPHOTIC DEPTH (M) : 7.4					
R.B.: .12		R.P.: .02			

80573

SAMPLING STATION 16

16h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.66	.01	3.65	.12	.0
PERCENT.	100	1	99	3.5	
GROSS P.OPT	3.9	.0	3.9		
GROSS P/DAY	150	0	150		
NET P/SOL.DAY	108	0	108		
NET P/24H-DAY	83	0	82		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 52.3					
EUPHOTIC DEPTH (M) : 7.1					
R.B.: .11	R.P.: .01				

80573

SAMPLING STATION 16

18h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.87	.32	2.54	.18	.1
PERCENT.	100	12	88	6.5	
GROSS P.OPT	3.0	.3	2.7		
GROSS P/DAY	113	13	100		
NET P/SOL.DAY	81	9	72		
NET P/24H-DAY	62	7	55		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 51					
EUPHOTIC DEPTH (M) : 6.8					
R.B.: .17	R.P.: .01				

80573

SAMPLING STATION 16

20h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.58	.25	4.32	.13	.0
PERCENT.	100	6	94	3.0	
GROSS P.OPT	4.9	.2	4.6		
R.B.: .12	R.P.: .01				

80573

SAMPLING STATION 16

22h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.75	.44	1.30	.11	.3
PERCENT.	100	26	74	6.8	
GROSS P.OPT	1.8	.4	1.4		
R.B.: .11	R.P.: 0				

90573

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	14.89	.00	17.59	.29	.0
PERCENT.	84	0	100	1.7	
GROSS P.OPT	16.0	.0	18.9		
GROSS P/DAY	352	0	428		
NET P/SOL.DAY	261	0	308		
NET P/24H-DAY	200	0	236		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 33.5					
EUPHOTIC DEPTH (M) : 4.2					
R.B.: .23	R.P.: .06				

40673

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	9.35	2.82	6.52	.49	.4
PERCENT.	100	31	69	5.3	
GROSS P.OPT	11.1	3.3	7.7		
GROSS P/DAY	171	51	119		
NET P/SOL.DAY	123	37	86		
NET P/24H-DAY	99	30	69		
EXTINCTION COEFF.: 1.7					
TRANSMISSION COEFF.: 18					
EUPHOTIC DEPTH (M) : 2.6					
R.B.: .45	R.P.: .04				

50673

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	11.19	2.07	9.11	.34	.2
PERCENT.	100	19	81	3.1	
GROSS P.OPT	13.3	2.4	10.8		
GROSS P/DAY	116	21	95		
NET P/SOL.DAY	84	15	68		
NET P/24H-DAY	67	12	55		
EXTINCTION COEFF.: 3					
TRANSMISSION COEFF.: 4.9					
EUPHOTIC DEPTH (M) : 1.5					
R.B.: .29	R.P.: .05				

70673

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.54	2.44	2.09	.16	1.1
PERCENT.	100	54	46	3.7	
GROSS P.OPT	5.4	2.9	2.5		
GROSS P/DAY	105	56	48		
NET P/SOL.DAY	75	40	34		
NET P/24H-DAY	61	32	28		
EXTINCTION COEFF.: 1.3					
TRANSMISSION COEFF.: 25.6					
EUPHOTIC DEPTH (M) : 3.3					
R.B.: .14	R.P.: .02				

70673

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.79	2.82	2.96	.22	.9
PERCENT.	100	49	51	3.9	
GROSS P.OPT	6.9	3.3	3.5		
GROSS P/DAY	150	73	77		
NET P/SOL.DAY	108	53	55		
NET P/24H-DAY	87	42	44		
EXTINCTION COEFF.: 1.2					
TRANSMISSION COEFF.: 29.9					
EUPHOTIC DEPTH (M) : 3.8					
R.B.: .2	R.P.: .02				

70673 SAMPLING STATION 6 10h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.26	3.27	3.98	.18	.8
PERCENT.	100	46	54	2.6	
GROSS P.OPT	8.6	3.9	4.7		
GROSS P/DAY	236	106	129		
NET P/SOL.DAY	170	76	93		
NET P/24H-DAY	137	61	75		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 38					
EUPHOTIC DEPTH (M) : 4.7					
R.B.: .15 R.P.: .03					

70673 SAMPLING STATION 6 12h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.39	1.85	3.52	.15	.5
PERCENT.	100	35	65	2.9	
GROSS P.OPT	6.4	2.2	4.2		
GROSS P/DAY	121	42	79		
NET P/SOL.DAY	87	30	57		
NET P/24H-DAY	70	24	46		
EXTINCTION COEFF.: 1.3					
TRANSMISSION COEFF.: 24.7					
EUPHOTIC DEPTH (M) : 3.2					
R.B.: .13 R.P.: .02					

70673 SAMPLING STATION 6 14h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	9.08	1.16	7.91	.21	.1
PERCENT.	100	13	87	2.4	
GROSS P.OPT	10.8	1.3	9.4		
GROSS P/DAY	261	33	227		
NET P/SOL.DAY	188	24	164		
NET P/24H-DAY	151	19	132		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 33.5					
EUPHOTIC DEPTH (M) : 4.2					
R.B.: .17 R.P.: .04					

70673 SAMPLING STATION 6 16h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.54	1.53	4.01	.14	.3
PERCENT.	100	28	72	2.7	
GROSS P.OPT	6.6	1.8	4.7		
GROSS P/DAY	214	59	155		
NET P/SOL.DAY	154	42	111		
NET P/24H-DAY	124	34	90		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 44.3					
EUPHOTIC DEPTH (M) : 5.6					
R.B.: .12 R.P.: .02					

70673

SAMPLING STATION 6 20h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.41	1.26	4.15	.08	.3
PERCENT.	100	24	76	1.6	
GROSS P.OPT	6.4	1.5	4.9		
GROSS P/DAY	79	18	60		
NET P/SOL.DAY	57	13	43		
NET P/24H-DAY	46	10	35		
EXTINCTION COEFF.: 2.1					
TRANSMISSION COEFF.: 11.6					
EUPHOTIC DEPTH (M) : 2.1					
R.B.: .06		R.P.: .02			

70673

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.85	1.76	5.09	.27	.3
PERCENT.	100	26	74	4.0	
GROSS P.OPT	8.1	2.0	6.0		
R.B.: .24		R.P.: .03			

80673

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	10.44	4.43	6.00	.38	.7
PERCENT.	100	43	57	3.7	
GROSS P.OPT	12.4	5.2	7.1		
GROSS P/DAY	403	171	232		
NET P/SOL.DAY	290	123	167		
NET P/24H-DAY	234	99	134		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 44.3					
EUPHOTIC DEPTH (M) : 5.6					
R.B.: .34		R.P.: .04			

130673

SAMPLING STATION 14 6h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.08	.27	.80	.07	.3
PERCENT.	100	26	74	7.3	
GROSS P.OPT	1.2	.3	.9		
GROSS P/DAY	136	35	101		
NET P/SOL.DAY	99	25	73		
NET P/24H-DAY	80	20	59		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 77.5					
EUPHOTIC DEPTH (M) : 18.1					
R.B.: .07	R.P.: 0				

130673

SAMPLING STATION 14 8h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	1.03	.24	.79	.06	.3
PERCENT.	100	24	76	6.7	
GROSS P.OPT	1.2	.2	.9		
GROSS P/DAY	137	31	105		
NET P/SOL.DAY	99	23	76		
NET P/24H-DAY	80	18	62		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 78.5					
EUPHOTIC DEPTH (M) : 19					
R.B.: .06	R.P.: 0				

130673

SAMPLING STATION 14 10h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.71	.22	.48	.10	.4
PERCENT.	100	32	68	15.2	
GROSS P.OPT	.8	.2	.5		
GROSS P/DAY	86	27	58		
NET P/SOL.DAY	62	19	42		
NET P/24H-DAY	50	16	34		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 76.5					
EUPHOTIC DEPTH (M) : 17.2					
R.B.: .1	R.P.: 0				

130673

SAMPLING STATION 14 12h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.48	2.00	.47	.08	4.1
PERCENT.	100	81	19	3.6	
GROSS P.OPT	2.9	2.3	.5		
GROSS P/DAY	391	315	75		
NET P/SOL.DAY	283	228	54		
NET P/24H-DAY	229	185	44		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 81.6					
EUPHOTIC DEPTH (M) : 22.6					
R.B.: .07	R.P.: .01				

130673

SAMPLING STATION 14 14h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.73	.35	.37	.08	.9
PERCENT.	100	49	51	12.1	
GROSS P.OPT	.8	.4	.4		
GROSS P/DAY	123	60	63		
NET P/SOL.DAY	89	43	46		
NET P/24H-DAY	72	35	37		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .08	R.P.: 0				

130673

SAMPLING STATION 14 16h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.95	.32	.62	.12	.5
PERCENT.	100	35	65	13.5	
GROSS P.OPT	1.1	.3	.7		
GROSS P/DAY	104	36	68		
NET P/SOL.DAY	76	26	49		
NET P/24H-DAY	61	21	40		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .12	R.P.: 0				

130673

SAMPLING STATION 14 18h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.89	.19	.69	.10	.2
PERCENT.	100	23	77	12.2	
GROSS P.OPT	1.0	.2	.8		
GROSS P/DAY	78	17	60		
NET P/SOL.DAY	56	12	43		
NET P/24H-DAY	45	10	35		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 69.1					
EUPHOTIC DEPTH (M) : 12.5					
R.B.: .1	R.P.: 0				

130673

SAMPLING STATION 14 20h

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.37	.00	.48	.04	.0
PERCENT.	77	0	100	10.2	
GROSS P.OPT	.4	.0	.5		
GROSS P/DAY	63	0	82		
NET P/SOL.DAY	46	0	59		
NET P/24H-DAY	37	0	48		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .04	R.P.: 0				

130673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.78	.43	.34	.04	1.2
PERCENT.	100	56	44	5.0	
GROSS P.OPT	.9	.5	.4		

R.B.: .03

R.P.: 0

140673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.94	.62	.32	.05	1.8
PERCENT.	100	66	34	6.3	
GROSS P.OPT	1.1	.7	.3		

GROSS P/DAY 159

103

55

NET P/SOL.DAY 115

75

40

NET P/24H-DAY 93

61

32

EXTINCTION COEFF.: .1

TRANSMISSION COEFF.: 82.6

EUPHOTIC DEPTH (M) : 24.1

R.B.: .05

R.P.: 0

180673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.31	.07	.23	.04	.3
PERCENT.	100	25	75	15.6	
GROSS P.OPT	.3	.0	.2		

GROSS P/DAY 53

13

40

NET P/SOL.DAY 38

9

29

NET P/24H-DAY 31

7

23

EXTINCTION COEFF.: .1

TRANSMISSION COEFF.: 82.6

EUPHOTIC DEPTH (M) : 24.1

R.B.: .04

R.P.: 0

190673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.37	.00	.43	.09	.0
PERCENT.	86	0	100	22.7	
GROSS P.OPT	.4	.0	.5		

GROSS P/DAY 63

0

73

NET P/SOL.DAY 46

0

53

NET P/24H-DAY 37

0

43

EXTINCTION COEFF.: .1

TRANSMISSION COEFF.: 82.6

EUPHOTIC DEPTH (M) : 24.1

R.B.: .09

R.P.: 0

200673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.67	.04	.63	.41	.0
PERCENT.	100	6	94	61.7	
GROSS P/OPT	.8	.0	.7		
GROSS P/DAY	113	6	107		
NET P/SOL.DAY	82	4	77		
NET P/24H-DAY	66	3	62		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .41	R.P.: 0				

210673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.63	.04	.59	.57	.0
PERCENT.	100	7	93	90.6	
GROSS P/OPT	.7	.0	.7		
GROSS P/DAY	118	7	110		
NET P/SOL.DAY	86	5	81		
NET P/24H-DAY	73	4	69		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 82.6					
EUPHOTIC DEPTH (M) : 24.1					
R.B.: .57	R.P.: 0				

220673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.54	.14	.39	.23	.3
PERCENT.	100	28	72	43.6	
GROSS P/OPT	.6	.1	.4		
GROSS P/DAY	108	29	79		
NET P/SOL.DAY	79	21	58		
NET P/24H-DAY	67	18	49		
EXTINCTION COEFF.: .1					
TRANSMISSION COEFF.: 83.7					
EUPHOTIC DEPTH (M) : 25.9					
R.B.: .23	R.P.: 0				

260673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	15.88	13.39	2.48	.37	5.3
PERCENT.	100	85	15	2.3	
GROSS P/OPT	18.9	15.9	2.9		
GROSS P/DAY	656	553	102		
NET P/SOL.DAY	481	405	75		
NET P/24H-DAY	410	345	64		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 42.7					
EUPHOTIC DEPTH (M) : 5.4					
R.B.: .3	R.P.: .07				

270673

SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.73	4.17	.55	.20	7.4
PERCENT.	100	89	11	4.4	
GROSS P.OPT	5.6	4.9	.6		
GROSS P/DAY	570	502	67		
NET P/SOL.DAY	418	369	49		
NET P/24H-DAY	356	314	42		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .18	R.P.: .02				

280673

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	34.15	33.56	.58	.26	56.8
PERCENT.	100	99	1	.7	
GROSS P.OPT	40.6	39.9	.7		
GROSS P/DAY	4108	4037	70		
NET P/SOL.DAY	3017	2965	52		
NET P/24H-DAY	2568	2524	44		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .1	R.P.: .16				

290673

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	11.81	10.41	1.39	.30	7.4
PERCENT.	100	89	11	2.6	
GROSS P.OPT	14.0	12.4	1.6		
GROSS P/DAY	1421	1253	168		
NET P/SOL.DAY	1044	920	123		
NET P/24H-DAY	888	783	105		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 74.6					
EUPHOTIC DEPTH (M) : 15.7					
R.B.: .25	R.P.: .05				

160773	SAMPLING STATION 5				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	24.11	4.65	19.45	1.05	.2
PERCENT.	100	20	80	4.3	
GROSS P.OPT	33.4	6.4	26.9		
R.B.: .92	R.P.: .13				
160773	SAMPLING STATION 54				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	27.11	9.90	17.20	1.13	.5
PERCENT.	100	37	63	4.2	
GROSS P.OPT	37.5	13.7	23.8		
R.B.: .98	R.P.: .15				
160773	SAMPLING STATION 6				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	19.27	7.51	11.75	.56	.6
PERCENT.	100	40	60	2.9	
GROSS P.OPT	26.7	10.4	16.2		
R.B.: .46	R.P.: .1				
160773	SAMPLING STATION 55				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	10.19	2.77	7.41	.60	.3
PERCENT.	100	28	72	5.9	
GROSS P.OPT	14.1	3.8	10.2		
R.B.: .55	R.P.: .05				
160773	SAMPLING STATION 7				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	11.44	3.20	8.23	.95	.3
PERCENT.	100	29	71	8.3	
GROSS P.OPT	15.8	4.4	11.4		
R.B.: .89	R.P.: .06				
160773	SAMPLING STATION 56				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	18.02	6.00	12.02	.51	.4
PERCENT.	100	34	66	2.8	
GROSS P.OPT	24.9	8.3	16.6		
R.B.: .42	R.P.: .09				

170773	SAMPLING STATION 8				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.24	3.74	2.49	.40	1.4
PERCENT.	100	60	40	6.5	
GROSS P.OPT	8.6	5.1	3.4		

R.B.: .37 R.P.: .03

170773	SAMPLING STATION 57				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.94	2.46	2.47	.69	.9
PERCENT.	100	50	50	14.1	
GROSS P.OPT	6.8	3.4	3.4		

R.B.: .67 R.P.: .02

170773	SAMPLING STATION 9				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.78	1.48	2.30	.99	.6
PERCENT.	100	40	60	26.3	
GROSS P.OPT	5.2	2.0	3.2		

R.B.: .97 R.P.: .02

170773	SAMPLING STATION 58				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.42	1.45	1.96	.42	.7
PERCENT.	100	43	57	12.5	
GROSS P.OPT	4.7	2.0	2.7		

R.B.: .41 R.P.: .01

170773	SAMPLING STATION 10				
	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.51	1.04	1.46	.84	.7
PERCENT.	100	42	58	33.7	
GROSS P.OPT	3.4	1.4	2.0		

R.B.: .83 R.P.: .01

100973

SAMPLING STATION 4

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	.92	.00	.92	.22	.0
PERCENT.	100	1	99	24.7	
GROSS P.OPT	1.1	.0	1.1		
GROSS P/DAY	55	0	55		
NET P/SOL.DAY	36	0	36		
NET P/24H-DAY	17	0	17		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.8					
EUPHOTIC DEPTH (M) : 13.3					
R.B.: .22	R.P.: 0				

240973

SAMPLING STATION 5

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.85	4.37	3.47	.25	1.2
PERCENT.	100	56	44	3.3	
GROSS P.OPT	9	5	4		
GROSS P/DAY	109	61	48		
NET P/SOL.DAY	72	40	32		
NET P/24H-DAY	35	19	15		
EXTINCTION COEFF.: 1.4					
TRANSMISSION COEFF.: 23.1					
EUPHOTIC DEPTH (M) : 3.1					
R.B.: .22	R.P.: .03				

240973

SAMPLING STATION 54

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.20	.42	6.77	.28	.0
PERCENT.	100	6	94	4.0	
GROSS P.OPT	9.0	.5	8.5		
GROSS P/DAY	264	15	248		
NET P/SOL.DAY	174	10	164		
NET P/24H-DAY	84	5	79		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 57.2					
EUPHOTIC DEPTH (M) : 8.2					
R.B.: .25	R.P.: .03				

240973

SAMPLING STATION 6

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	8.77	3.41	5.35	.30	.6
PERCENT.	100	39	61	3.5	
GROSS P.OPT	11.0	4.3	6.7		
GROSS P/DAY	144	56	88		
NET P/SOL.DAY	95	37	58		
NET P/24H-DAY	45	17	28		
EXTINCTION COEFF.: 1.2					
TRANSMISSION COEFF.: 28.8					
EUPHOTIC DEPTH (M) : 3.7					
R.B.: .26	R.P.: .04				

250973

SAMPLING STATION 1347

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	6.77	3.66	3.10	.35	1.1
PERCENT.	100	55	45	5.3	
GROSS P.OPT	8.5	4.6	3.9		
GROSS P/DAY	201	108	92		
NET P/SOL.DAY	132	71	60		
NET P/24H-DAY	64	34	29		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 50.2					
EUPHOTIC DEPTH (M) : 6.6					
R.B.: .32	R.P.: .03				

250973

SAMPLING STATION 1345

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.23	2.21	3.01	.20	.7
PERCENT.	100	43	57	4.0	
GROSS P.OPT	6.5	2.7	3.8		
GROSS P/DAY	122	51	70		
NET P/SOL.DAY	80	34	46		
NET P/24H-DAY	39	16	22		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 41.7					
EUPHOTIC DEPTH (M) : 5.2					
R.B.: .18	R.P.: .02				

250973

SAMPLING STATION 1343

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.40	2.63	2.76	.19	.9
PERCENT.	100	49	51	3.6	
GROSS P.OPT	6.8	3.3	3.4		
GROSS P/DAY	94	46	48		
NET P/SOL.DAY	62	30	31		
NET P/24H-DAY	30	14	15		
EXTINCTION COEFF.: 1.1					
TRANSMISSION COEFF.: 31					
EUPHOTIC DEPTH (M) : 3.9					
R.B.: .17	R.P.: .02				

250973

SAMPLING STATION 1341

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.57	2.58	2.98	.27	.8
PERCENT.	100	47	53	5.0	
GROSS P.OPT	7.0	3.2	3.7		
GROSS P/DAY	91	42	49		
NET P/SOL.DAY	60	28	32		
NET P/24H-DAY	29	13	15		
EXTINCTION COEFF.: 1.2					
TRANSMISSION COEFF.: 28.8					
EUPHOTIC DEPTH (M) : 3.7					
R.B.: .25	R.P.: .02				

250973

SAMPLING STATION 1450

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.24	2.21	2.02	.26	1.0
PERCENT.	100	53	47	6.3	
GROSS P.OPT	5.3	2.7	2.5		
GROSS P/DAY	103	54	49		
NET P/SOL.DAY	68	35	32		
NET P/24H-DAY	33	17	15		
EXTINCTION COEFF.:	.8				
TRANSMISSION COEFF.:	43.3				
EUPHOTIC DEPTH (M) :	5.5				
R.B.:	.24	R.P.:	.02		

250973

SAMPLING STATION 1452

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.17	2.32	2.84	.27	.8
PERCENT.	100	45	55	5.4	
GROSS P.OPT	6.5	2.9	3.5		
GROSS P/DAY	117	52	64		
NET P/SOL.DAY	77	34	42		
NET P/24H-DAY	37	16	20		
EXTINCTION COEFF.:	.8				
TRANSMISSION COEFF.:	40.6				
EUPHOTIC DEPTH (M) :	5.1				
R.B.:	.25	R.P.:	.02		

250973

SAMPLING STATION 1454

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.51	2.68	1.82	.23	1.4
PERCENT.	100	60	40	5.3	
GROSS P.OPT	5.6	3.3	2.3		
GROSS P/DAY	126	75	51		
NET P/SOL.DAY	83	49	33		
NET P/24H-DAY	40	23	16		
EXTINCTION COEFF.:	.7				
TRANSMISSION COEFF.:	48.1				
EUPHOTIC DEPTH (M) :	6.2				
R.B.:	.21	R.P.:	.02		

260973

SAMPLING STATION 1456

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.82	2.90	2.91	.13	.9
PERCENT.	100	50	50	2.4	
GROSS P.OPT	7.3	3.6	3.6		
GROSS P/DAY	199	99	99		
NET P/SOL.DAY	131	65	65		
NET P/24H-DAY	63	31	31		
EXTINCTION COEFF.:	.5				
TRANSMISSION COEFF.:	55				
EUPHOTIC DEPTH (M) :	7.7				
R.B.:	.11	R.P.:	.02		

260973 SAMPLING STATION 14

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.94	1.33	2.60	.17	.5
PERCENT.	100	34	66	4.5	
GROSS P.OPT.	4.9	1.6	3.2		
GROSS P/DAY	211	71	139		
NET P/SOL.DAY	139	47	91		
NET P/24H-DAY	67	22	44		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 68.2					
EUPHOTIC DEPTH (M) : 12					
R.B.: .16 R.P.: .01					

260973 SAMPLING STATION 13

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.49	5.46	2.02	.10	2.6
PERCENT.	100	73	27	1.4	
GROSS P.OPT	9.4	6.8	2.5		
GROSS P/DAY	445	324	120		
NET P/SOL.DAY	293	214	79		
NET P/24H-DAY	141	103	38		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.8					
EUPHOTIC DEPTH (M) : 13.3					
R.B.: .07 R.P.: .03					

260973 SAMPLING STATION 60

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.20	5.43	1.76	.13	3.0
PERCENT.	100	76	24	1.9	
GROSS P.OPT	9.0	6.8	2.2		
GROSS P/DAY	352	266	86		
NET P/SOL.DAY	232	175	57		
NET P/24H-DAY	112	84	27		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 65.8					
EUPHOTIC DEPTH (M) : 11					
R.B.: .1 R.P.: .03					

260973 SAMPLING STATION 12

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.97	3.46	2.50	.24	1.3
PERCENT.	100	59	41	4.1	
GROSS P.OPT	7.5	4.3	3.1		
GROSS P/DAY	342	198	143		
NET P/SOL.DAY	225	131	94		
NET P/24H-DAY	109	63	45		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70					
EUPHOTIC DEPTH (M) : 12.9					
R.B.: .21 R.P.: .03					

260973

SAMPLING STATION 59

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.31	2.35	2.95	.27	.7
PERCENT.	100	45	55	5.2	
GROSS P.OPT	6.7	2.9	3.7		
GROSS P/DAY	157	70	87		
NET P/SOL.DAY	104	46	57		
NET P/24H-DAY	50	22	28		
EXTINCTION COEFF.: .6					
TRANSMISSION COEFF.: 50.2					
EUPHOTIC DEPTH (M) : 6.6					
R.B.: .25	R.P.: .02				

260973

SAMPLING STATION 11

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	11.69	7.38	4.30	.37	1.7
PERCENT.	100	64	36	3.2	
GROSS P.OPT	14.7	9.3	5.4		
GROSS P/DAY	232	147	85		
NET P/SOL.DAY	153	97	56		
NET P/24H-DAY	74	46	27		
EXTINCTION COEFF.: 1					
TRANSMISSION COEFF.: 35.8					
EUPHOTIC DEPTH (M) : 4.4					
R.B.: .32	R.P.: .05				

270973

SAMPLING STATION 2689

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.95	.99	1.95	.43	.5
PERCENT.	100	34	66	14.8	
GROSS P.OPT	3.7	1.2	2.4		
GROSS P/DAY	62	20	41		
NET P/SOL.DAY	40	13	27		
NET P/24H-DAY	19	6	13		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 37.7					
EUPHOTIC DEPTH (M) : 4.7					
R.B.: .42	R.P.: .01				

270973

SAMPLING STATION 1691

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.44	1.15	2.29	.24	.5
PERCENT.	100	34	66	7.2	
GROSS P.OPT	4.3	1.4	2.8		
GROSS P/DAY	144	48	96		
NET P/SOL.DAY	95	31	63		
NET P/24H-DAY	46	15	30		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 61.4					
EUPHOTIC DEPTH (M) : 9.4					
R.B.: .23	R.P.: .01				

21073

SAMPLING STATION 1097

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	17.84	10.60	7.23	.22	1.4
PERCENT.	100	60	40	1.2	
GROSS P.OPT	19.9	11.8	8.0		
GROSS P/DAY	160	95	65		
NET P/SOL.DAY	110	65	44		
NET P/24H-DAY	51	30	20		
EXTINCTION COEFF.: 2					
TRANSMISSION COEFF.: 13.3					
EUPHOTIC DEPTH (M) : 2.2					
R.B.: .15		R.P.: .07			

21073

SAMPLING STATION 1099

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	9.24	6.16	3.07	.24	2.0
PERCENT.	100	67	33	2.7	
GROSS P.OPT	10.3	6.8	3.4		
GROSS P/DAY	80	53	26		
NET P/SOL.DAY	55	36	18		
NET P/24H-DAY	25	17	8		
EXTINCTION COEFF.: 2					
TRANSMISSION COEFF.: 12.3					
EUPHOTIC DEPTH (M) : 2.2					
R.B.: .2		R.P.: .04			

21073

SAMPLING STATION 1101

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	8.59	5.91	2.67	.23	2.2
PERCENT.	100	69	31	2.7	
GROSS P.OPT	9.5	6.6	2.9		
GROSS P/DAY	159	109	49		
NET P/SOL.DAY	109	75	34		
NET P/24H-DAY	51	35	15		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 37.7					
EUPHOTIC DEPTH (M) : 4.7					
R.B.: .2		R.P.: .03			

21073

SAMPLING STATION 1

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	13.55	9.79	3.75	.18	2.6
PERCENT.	100	73	27	1.4	
GROSS P.OPT	15.1	10.9	4.1		
GROSS P/DAY	83	60	23		
NET P/SOL.DAY	57	41	16		
NET P/24H-DAY	26	19	7		
EXTINCTION COEFF.: 2.9					
TRANSMISSION COEFF.: 5.3					
EUPHOTIC DEPTH (M) : 1.5					
R.B.: .12		R.P.: .06			

41073

SAMPLING STATION 55

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.90	1.89	2.01	.16	.9
PERCENT.	100	49	51	4.3	
GROSS P.OPT	4.3	2.1	2.2		
GROSS P/DAY	77	37	40		
NET P/SOL.DAY	53	25	27		
NET P/24H-DAY	24	11	12		
EXTINCTION COEFF.: .9					
TRANSMISSION COEFF.: 40.1					
EUPHOTIC DEPTH (M) : 5					
R.B.: .15	R.P.: .01				

41073

SAMPLING STATION 7

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.99	2.31	1.67	.11	1.3
PERCENT.	100	59	41	2.9	
GROSS P.OPT	4.4	2.5	1.8		
GROSS P/DAY	173	100	72		
NET P/SOL.DAY	119	69	50		
NET P/24H-DAY	55	32	23		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 65.8					
EUPHOTIC DEPTH (M) : 11					
R.B.: .1	R.P.: .01				

41073

SAMPLING STATION 8

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.57	2.80	1.76	.17	1.5
PERCENT.	100	62	38	3.9	
GROSS P.OPT	5.1	3.1	1.9		
GROSS P/DAY	397	243	153		
NET P/SOL.DAY	273	167	105		
NET P/24H-DAY	126	77	48		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 81.1					
EUPHOTIC DEPTH (M) : 22					
R.B.: .15	R.P.: .02				

51073

SAMPLING STATION 23

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.90	.62	2.28	.09	.2
PERCENT.	100	22	78	3.4	
GROSS P.OPT	3.2	.6	2.5		
GROSS P/DAY	153	32	120		
NET P/SOL.DAY	105	22	82		
NET P/24H-DAY	48	10	38		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.8					
EUPHOTIC DEPTH (M) : 13.3					
R.B.: .08	R.P.: .01				

51073

SAMPLING STATION 70

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.08	.84	1.23	.10	.6
PERCENT.	100	41	59	5.2	
GROSS P.OPT	2.3	.9	1.3		
GROSS P/DAY	161	65	95		
NET P/SOL.DAY	111	45	66		
NET P/24H-DAY	51	21	30		
EXTINCTION COEFF.: .2					
TRANSMISSION COEFF.: 79.1					
EUPHOTIC DEPTH (M) : 19.6					
R.B.: .1	R.P.: 0				

51073

SAMPLING STATION 22

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.17	2.10	2.06	.22	1.0
PERCENT.	100	51	49	5.5	
GROSS P.OPT	4.6	2.3	2.3		
GROSS P/DAY	194	98	96		
NET P/SOL.DAY	133	67	66		
NET P/24H-DAY	61	31	30		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 67.7					
EUPHOTIC DEPTH (M) : 11.8					
R.B.: .21	R.P.: .01				

51073

SAMPLING STATION 69

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.20	1.90	2.29	.17	.8
PERCENT.	100	46	54	4.2	
GROSS P.OPT	4.6	2.1	2.5		
GROSS P/DAY	221	100	121		
NET P/SOL.DAY	152	69	83		
NET P/24H-DAY	70	32	38		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 70.8					
EUPHOTIC DEPTH (M) : 13.3					
R.B.: .16	R.P.: .01				

51073

SAMPLING STATION 21

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.39	3.11	2.27	.18	1.3
PERCENT.	100	58	42	3.5	
GROSS P.OPT	6.0	3.4	2.5		
GROSS P/DAY	212	122	89		
NET P/SOL.DAY	146	84	61		
NET P/24H-DAY	67	39	28		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 63					
EUPHOTIC DEPTH (M) : 10					
R.B.: .16	R.P.: .02				

51073

SAMPLING STATION 68

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	7.22	4.81	2.40	.24	2.0
PERCENT.	100	67	33	3.4	
GROSS P.OPT	8.0	5.3	2.6		
GROSS P/DAY	190	126	63		
NET P/SOL.DAY	130	87	43		
NET P/24H-DAY	60	40	20		
EXTINCTION COEFF.:	.6				
TRANSMISSION COEFF.:	50.2				
EUPHOTIC DEPTH (M) :	6.6				
R.B.:	.21	R.P.:	.03		

51073

SAMPLING STATION 1989

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.01	1.82	2.18	.10	.8
PERCENT.	100	46	54	2.7	
GROSS P.OPT	4.4	2.0	2.4		
GROSS P/DAY	158	71	86		
NET P/SOL.DAY	108	49	59		
NET P/24H-DAY	50	22	27		
EXTINCTION COEFF.:	.4				
TRANSMISSION COEFF.:	63				
EUPHOTIC DEPTH (M) :	10				
R.B.:	.09	R.P.:	.01		

61073

SAMPLING STATION 1693

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.41	1.12	2.28	.17	.4
PERCENT.	100	34	66	5.2	
GROSS P.OPT	3.8	1.2	2.5		
GROSS P/DAY	180	59	120		
NET P/SOL.DAY	123	40	82		
NET P/24H-DAY	57	18	38		
EXTINCTION COEFF.:	.3				
TRANSMISSION COEFF.:	70.8				
EUPHOTIC DEPTH (M) :	13.3				
R.B.:	.15	R.P.:	.01		

61073

SAMPLING STATION 1695

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.16	1.95	2.20	.16	.8
PERCENT.	100	48	52	4.0	
GROSS P.OPT	4.6	2.1	2.4		
GROSS P/DAY	258	121	136		
NET P/SOL.DAY	177	83	94		
NET P/24H-DAY	82	38	43		
EXTINCTION COEFF.:	.2				
TRANSMISSION COEFF.:	74.6				
EUPHOTIC DEPTH (M) :	15.7				
R.B.:	.15	R.P.:	.01		

111073

SAMPLING STATION 16

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	2.79	1.08	1.70	.18	.6
PERCENT.	100	39	61	6.7	
GROSS P/OPT	3.1	1.2	1.9		
GROSS P/DAY	83	32	51		
NET P/SOL.DAY	55	21	33		
NET P/24H-DAY	21	8	13		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 57.2					
EUPHOTIC DEPTH (M) : 8.2					
R.B.: .17	R.P.: .01				

111073

SAMPLING STATION 64

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.64	1.70	1.93	.24	.8
PERCENT.	100	47	53	6.8	
GROSS P/OPT	4.0	1.9	2.1		
GROSS P/DAY	124	58	66		
NET P/SOL.DAY	82	38	43		
NET P/24H-DAY	32	15	17		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 61.4					
EUPHOTIC DEPTH (M) : 9.4					
R.B.: .23	R.P.: .01				

111073

SAMPLING STATION 17

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.94	3.51	1.42	.15	2.4
PERCENT.	100	72	28	3.2	
GROSS P/OPT	5.5	3.9	1.5		
GROSS P/DAY	267	190	77		
NET P/SOL.DAY	177	125	51		
NET P/24H-DAY	69	49	20		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 73.5					
EUPHOTIC DEPTH (M) : 14.9					
R.B.: .13	R.P.: .02				

111073

SAMPLING STATION 65

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.20	.93	2.27	.20	.4
PERCENT.	100	29	71	6.5	
GROSS P/OPT	3.5	1.0	2.5		
GROSS P/DAY	168	48	119		
NET P/SOL.DAY	111	32	78		
NET P/24H-DAY	43	12	31		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 72.7					
EUPHOTIC DEPTH (M) : 14.4					
R.B.: .19	R.P.: .01				

111073

SAMPLING STATION 1995

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	4.30	2.84	1.45	.12	1.9
PERCENT.	100	67	33	3.0	
GROSS P.OPT	4.8	3.1	1.6		
GROSS P/DAY	233	154	79		
NET P/SOL.DAY	154	101	52		
NET P/24H-DAY	60	40	20		
EXTINCTION COEFF.: .3					
TRANSMISSION COEFF.: 73.5					
EUPHOTIC DEPTH (M) : 14.9					
R.B.: .11	R.P.: .01				

111073

SAMPLING STATION 1993

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.29	1.33	1.95	.11	.6
PERCENT.	100	41	59	3.6	
GROSS P.OPT	3.6	1.4	2.1		
GROSS P/DAY	136	55	80		
NET P/SOL.DAY	90	36	53		
NET P/24H-DAY	35	14	21		
EXTINCTION COEFF.: .4					
TRANSMISSION COEFF.: 66.8					
EUPHOTIC DEPTH (M) : 11.4					
R.B.: .1	R.P.: .01				

121073

SAMPLING STATION 3

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.29	1.81	1.47	.09	1.2
PERCENT.	100	56	44	3.0	
GROSS P.OPT	3.6	2.0	1.6		
GROSS P/DAY	75	41	33		
NET P/SOL.DAY	49	27	22		
NET P/24H-DAY	19	10	8		
EXTINCTION COEFF.: .7					
TRANSMISSION COEFF.: 48.1					
EUPHOTIC DEPTH (M) : 6.2					
R.B.: .08	R.P.: .01				

121073

SAMPLING STATION 52

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	5.64	4.22	1.41	.14	2.9
PERCENT.	100	75	25	2.6	
GROSS P.OPT	6.3	4.7	1.5		
GROSS P/DAY	117	87	29		
NET P/SOL.DAY	77	58	19		
NET P/24H-DAY	30	22	7		
EXTINCTION COEFF.: .8					
TRANSMISSION COEFF.: 44.8					
EUPHOTIC DEPTH (M) : 5.7					
R.B.: .12	R.P.: .02				

121073

SAMPLING STATION 2

	TOTAL	NETPL	NANNO	DARK	RATIO
VITRO	3.76	2.57	1.18	.08	2.1
PERCENT.	100	69	31	2.3	
GROSS P./OPT	4.2	2.8	1.3		
GROSS P/DAY	114	78	36		
NET P/SOL.DAY	75	51	23		
NET P/24H-DAY	29	20	9		
EXTINCTION COEFF.: .5					
TRANSMISSION COEFF.: 57.8					
EUPHOTIC DEPTH (M) : 8.4					
R.B.: .07		R.P.: .01			